Table SIII. Differentially expressed genes (DEGs) in lung squamous cell carcinoma (LUSC) (ranking by fold change then by P-value).

Upregulated genes			Downregulated genes		
Gene	Log2 (fold change)	P-adjusted	Gene	Log2 (fold change)	P-adjusted
LINC00392	10.686	7.63E-54	ITLN1	-7.838	4.47E-138
MAGEB1	10.215	2.28E-23	CHIAP2	-6.704	1.07E-37
PPP4R3CP	10.069	1.38E-28	AC008268.1	-6.422	3.96E-38
MAGEA6	9.822	1.44E-80	LINC02016	-6.383	8.66E-53
MAGEA3	9.772	5.97E-82	SFTPC	-6.151	5.40E-43
HOXD13	9.545	1.46E-101	AGER	-6.023	6.88E-101
FTHL17	9.507	3.44E-21	SLC6A4	-5.998	9.80E-76
MAGEA9	9.498	1.08E-36	CLDN18	-5.981	2.67E-68
COX7B2	9.469	9.79E-30	CD300LG	-5.696	5.82E-59
KRT31	9.440	4.13E-99	ANKRD1	-5.642	1.44E-71
MAGEA10	9.423	1.63E-62	GGTLC1	-5.616	4.62E-52
MAGEA9B	9.327	3.68E-63	GKN2	-5.564	4.13E-48
MAGEA11	9.207	2.39E-74	CA4	-5.504	6.58E-75
IRX4	9.196	3.33E-95	PRG4	-5.465	6.41E-83
CALML3	9.172	2.19E-205	FAM107A	-5.397	4.21E-103
LINC01980	9.171	1.08E-124	AC236972.3	-5.379	8.92E-49
LINC01206	9.111	5.40E-79	MCEMP1	-5.357	9.42E-95
BAGE2	9.066	4.05E-27	GPM6A	-5.326	4.25E-65
MAGEA4	9.036	1.88E-86	CEACAM8	-5.323	5.38E-68
HOXD11	8.969	9.36E-118	CLIC5	-5.311	2.49E-110
MIR548XHG	8.956	7.21E-36	HBA1	-5.300	4.64E-70
SOHLH1	8.910	1.42E-59	RXFP2	-5.287	2.85E-36
MAGEB2	8.877	1.99E-46	GPIHBP1	-5.249	1.14E-95
HOXC13	8.764	3.21E-149	RS1	-5.171	1.60E-92
NKX1-2	8.663	2.76E-87	CAV3	-5.164	4.01E-70
AF274855.1	8.643	5.13E-58	GPD1	-5.139	1.06E-111
OTOP3	8.639	6.09E-48	TMEM100	-5.103	1.56E-69
KRT14	8.610	4.62E-104	ADH1B	-5.096	2.53E-56
CASP14	8.608	7.51E-58	CNTN6	-5.080	5.53E-57
LINC01419	8.595	7.46E-34	TNNC1	-5.072	8.44E-85
MAGEA1	8.595	4.14E-56	GPA33	-5.064	6.10E-87
GJB6	8.569	1.61E-171	ADAMTS8	-5.049	4.69E-83
BARX1	8.564	9.02E-116	FCN3	-5.020	7.97E-88
MAGEA12	8.533	2.51E-44	FREM3	-4.983	1.22E-80
NR0B1	8.515	5.35E-47	CPB2	-4.946	4.79E-40
LINC01249	8.514	7.14E-55	ECEL1P2	-4.943	1.91E-45
G2E3-AS1	8.496	1.84E-97	LINC01785	-4.937	6.98E-16
LHX5	8.427	7.44E-88	PLA2G1B	-4.931	6.87E-54
KRT77	8.424	6.50E-65	INMT	-4.927	8.64E-114
SLC6A10P	8.394	3.90E-52	VEGFD	-4.918	5.93E-83
UGT1A10	8.383	1.89E-42	C8B	-4.917	2.66E-32
HOXC13-AS	8.378	1.45E-90	F11	-4.895	1.08E-47
RHCG	8.374	2.12E-116	LINC01996	-4.861	9.99E-33
PRAME	8.373	2.31E-181	OTC	-4.839	2.92E-58
MAGEC2	8.323	6.66E-31	CLEC3B	-4.804	6.90E-136
S100A7	8.302	3.05E-84	GP9	-4.788	2.38E-70
HOXC11	8.273	1.02E-82	RETN	-4.767	1.86E-69
AL117329.1	8.269	1.08E-101	GDF10	-4.752	2.49E-61
FOXL2NB	8.171	4.38E-62	ITLN2	-4.744	1.21E-57

MAGEC1	8.170	1.36E-29	HBB	-4.713	3.90E-59
HOXB13	8.167	6.12E-70	INMT-MINDY4	-4.711	1.56E-61
S100A7A	8.165	1.25E-64	GRIA1	-4.701	8.88E-50
FETUB	8.162	1.60E-63	PGC	-4.689	1.32E-32
PITX2	8.161	6.86E-101	CLEC4M	-4.662	1.56E-48
AC079160.1	8.161	2.18E-114	CYP4B1	-4.657	2.95E-49
HOXA13	8.140	8.16E-105	TNXB	-4.656	1.08E-99
KRT6A	8.123	5.48E-201	SFTPA1	-4.648	2.62E-33
AKR1B10	8.111	8.35E-108	CACNA2D2	-4.647	9.23E-87
DLX6	8.106	2.78E-162	SFTA1P	-4.632	2.25E-66
C5orf66-AS1	8.102	7.27E-66	LINC01082	-4.607	1.82E-72
AKR1B15	8.102	9.89E-113	MS4A15	-4.602	2.22E-39
DSG3	8.101	2.21E-190	TCF21	-4.590	5.16E-102
LINC01370	8.086	2.09E-20	AGRP	-4.589	9.32E-90
KRT6B	8.077	1.05E-140	CHRM2	-4.573	8.94E-43
AC009264.1	8.047	3.81E-92	SUSD2	-4.571	1.61E-82
CTAG2	8.044	5.91E-28	SEC14L3	-4.558	2.67E-39
C10orf99	8.041	8.20E-95	LINC01070	-4.540	7.15E-15
TMPRSS11BNL	8.032	2.88E-44	PACRG-AS3	-4.512	2.84E-37
CALML5	8.025	3.34E-73	DEFA3	-4.511	4.41E-27
UGT1A7	8.012	2.66E-66	RPL13AP17	-4.509	7.32E-34
KRT6C	8.005	3.04E-104	LINC01028	-4.493	5.13E-11
SLC18A3	7.993	3.75E-52	CSF3	-4.481	1.27E-38
TLX1	7.983	5.07E-50	KIAA0408	-4.475	1.98E-54
SLC1A6	7.980	1.17E-65	HBA2	-4.468	8.57E-66
LINC01518	7.967	3.15E-44	LRRC36	-4.467	6.54E-102
LCE3D	7.958	1.72E-49	ANGPT4	-4.465	4.49E-87
FAR2P1	7.951	3.29E-80	VEPH1	-4.437	3.03E-76
GPR50	7.925	1.50E-52	PEBP4	-4.427	7.27E-39
TLX3	7.898	4.72E-50	HSPC324	-4.423	1.23E-90
RAET1L	7.891	1.45E-136	SCN7A	-4.419	1.16E-70
HTR2C	7.889	5.74E-84	DES	-4.416	2.42E-60
VAX1	7.881	2.07E-58	SCARA5	-4.412	7.86E-50
CSAG1	7.867	1.70E-51	OVCH1	-4.411	2.33E-65
SPRR4	7.859	1.77E-47	LINC00968	-4.406	1.60E-92
LINC00355	7.847	1.83E-54	OR6K3	-4.401	3.87E-29
PGLYRP3	7.840	2.62E-107	SFTPA2	-4.367	3.94E-30
KRTAP19-1	7.836	1.30E-48	AL355388.1	-4.366	2.08E-51
FOXE1	7.827	7.01E-151	SERTM1	-4.335	2.52E-29
DEFA5	7.819	5.35E-06	CTXND1	-4.326	3.56E-77
CARD18	7.817	1.82E-53	MYZAP	-4.312	4.56E-106
LINC01468	7.810	1.04E-58	ZBTB16	-4.289	2.06E-48
GNGT1	7.801	8.02E-179	CD5L	-4.288	2.65E-32
FAM83C	7.769	5.56E-96	EDNRB	-4.285	1.86E-116
AC079062.1	7.767	5.12E-42	LRRN4	-4.279	1.34E-55
CERS3	7.760	4.85E-166	AQP4	-4.275	1.61E-35
PAGE2	7.748	3.72E-21	SLC46A2	-4.275	8.89E-63
LINC00898	7.724	1.22E-71	RSPO1	-4.261	2.74E-79
ASNSP1	7.702	2.37E-44	AC026369.3	-4.260	8.96E-57
FOXL2	7.681	5.77E-77	LHFPL3-AS2	-4.254	1.90E-49
TMPRSS11F	7.663	1.65E-80	ALAS2	-4.248	7.70E-75
FOXD3-AS1	7.653	1.78E-91	AC079467.1	-4.231	3.24E-29
KRT13	7.625	1.32E-91	SCGB1A1	-4.230	9.77E-24
AL033397.1	7.616	4.44E-59	ABCA8	-4.205	3.13E-72
SPRR1B	7.615	1.08E-101	FAM71A	-4.199	2.97E-17
OTX2	7.612	2.32E-41	GGTLC2	-4.187	2.69E-51

LCE3E	7.584	1.27E-41	ANGPTL7	-4.185	5.45E-42
PRDM13	7.577	2.10E-66	CHIA	-4.176	4.65E-26
GABRA5	7.566	2.86E-38	LANCL1-AS1	-4.165	1.03E-142
ACTL8	7.552	8.38E-51	FHL5	-4.149	1.36E-100
DMRT1	7.547	9.65E-65	OGN	-4.142	2.75E-54
LINC00491	7.546	6.95E-101	RTKN2	-4.114	6.96E-149
KRT33A	7.540	3.89E-58	AC116407.1	-4.112	2.31E-97
DPPA2	7.535	1.27E-31	FAM189A2	-4.105	4.52E-77
LINC01807	7.530	5.62E-65	C6orf229	-4.095	5.39E-32
NPSR1	7.519	6.74E-64	LINC01645	-4.094	4.50E-60
LINC00626	7.508	1.23E-63	HSD17B6	-4.093	7.03E-141
FGF19	7.492	1.67E-39	CYP1A2	-4.090	1.57E-18
ESRG	7.466	2.39E-35	FENDRR	-4.084	1.32E-68
KRTAP4-1	7.461	5.78E-83	HID1-AS1	-4.083	3.89E-93
SYT14	7.461	9.77E-118	FOSB	-4.076	8.49E-50
CASC9	7.455	4.14E-211	KHDRBS2	-4.062	8.90E-46
KCNMB2-AS1	7.452	1.59E-247	AC004947.1	-4.062	6.70E-38
PADI3	7.440	5.50E-77	TEK	-4.044	5.44E-136
SERPINB13	7.433	4.01E-108	C1QTNF7	-4.041	1.88E-79
LGALS7	7.399	7.93E-61	SFTA2	-4.041	2.34E-29
LGALS7	7.399	7.93E-61	CHRM1	-4.033	1.44E-35
LINC02428	7.393	4.40E-87	AC026391.1	-4.018	5.68E-17
GABRG2	7.375	2.41E-40	NDNF	-4.014	3.12E-49
TMPRSS11B	7.364	4.11E-34	MARCO	-4.009	5.60E-52
LY6D	7.354	2.41E-72	PKHD1L1	-4.000	1.86E-56
GABRA3	7.335	4.37E-196	MT1JP	-3.994	5.62E-29
KRT5	7.335	5.61E-181	DPCR1	-3.994	7.57E-33
SP9	7.331	1.05E-60	PRX	-3.990	1.28E-132
HOXC12	7.327	4.41E-31	FOLR1	-3.988	2.13E-38
TMPRSS11A	7.321	6.30E-76	LYVE1	-3.988	1.59E-99
DSCR8	7.314	9.16E-16	SCUBE1	-3.987	1.10E-45
PADI1	7.311	4.60E-76	PGM5-AS1	-3.977	7.82E-38
USH1G	7.304	2.29E-137	PDK4	-3.967	6.04E-61
KRT9	7.287	1.42E-62	ADGRD1	-3.966	1.68E-80
HMX1	7.282	1.77E-30	ADAMTS9-AS1	-3.966	2.70E-67
BRDT	7.282	1.06E-36	MGC27382	-3.965	8.76E-29
LCE1C	7.274	9.62E-46	DEFA4	-3.958	7.67E-27
SERPINB12	7.259	8.04E-51	LINC00844	-3.955	6.87E-31
FMO9P	7.233	1.01E-57	SFTPD	-3.955	1.30E-34
AMTN	7.227	2.71E-58	LINC02489	-3.942	2.82E-32
AC022639.1	7.219	4.24E-59	FHL1	-3.938	1.74E-98
EN1	7.206	8.03E-77	CTD-3080P12.3	-3.934	8.81E-17
LINC00668	7.205	1.01E-108	NPR1	-3.926	5.52E-116
TMPRSS11E	7.198	5.50E-109	DLC1	-3.922	6.77E-116
LINC01234	7.189	1.60E-85	LINC00710	-3.917	8.14E-19
SERPINB4	7.187	2.09E-77	C16orf89	-3.907	3.38E-37
SAGE1	7.170	2.59E-28	CXCL2	-3.897	1.79E-52
NMRAL2P	7.167	8.88E-90	LPL	-3.895	1.24E-67
DSG1-AS1	7.165	5.83E-68	ATOH8	-3.894	1.26E-62
AL390334.1	7.149	1.41E-78	PF4	-3.876	7.98E-42
NGB	7.146	2.38E-47	ASPA	-3.874	1.19E-86
IL36G	7.119	4.93E-75	LDLRAD4-AS1	-3.865	6.61E-50
ZNF280A	7.116	3.91E-54	HHIP	-3.847	6.20E-33
KRT74	7.085	5.79E-89	ART4	-3.844	3.17E-54
PAX7	7.081	2.32E-35	ANGPTL5	-3.839	3.47E-50
DAPL1	7.078	4.61E-113	SLC39A8	-3.837	6.53E-109

NOBOX	7.077	1.01E-13	MAMDC2	-3.833	4.15E-47
KRT75	7.061	1.78E-75	CCDC141	-3.831	6.69E-55
LINC01833	7.059	2.37E-43	LRRN3	-3.831	2.58E-62
PLA2G2F	7.057	8.39E-38	LCN6	-3.828	6.16E-31
IGF2BP1	7.048	3.55E-82	SEC14L6	-3.827	1.22E-63
NKX2-5	7.038	2.01E-58	GGTLC3	-3.823	1.19E-26
SALL3	7.036	1.09E-32	SLC5A9	-3.810	6.45E-55
HMGA2	7.032	1.00E-133	IL1RL1	-3.807	5.36E-33
SPRR3	7.021	7.07E-62	TMEM252	-3.807	1.74E-48
DLX6-AS1	7.019	4.45E-139	NAPSA	-3.800	3.75E-30
CRCT1	7.012	1.13E-46	RBP2	-3.797	6.29E-52
SERPINB5	7.011	6.63E-231	ADGRF5	-3.795	3.16E-99
GAST	7.000	2.71E-55	GDF2	-3.794	1.08E-07
LCE1F	6.989	1.16E-33	APOH	-3.787	7.02E-17
PRAC2	6.984	8.88E-30	EMCN	-3.779	1.04E-107
HOXB9	6.982	8.24E-72	CCL23	-3.775	2.36E-55
DLX1	6.981	1.62E-81	CASP12	-3.772	1.84E-94
DCAF4L2	6.976	2.88E-11	SOGA3	-3.769	4.61E-75
LINC00942	6.976	1.27E-56	AC112206.2	-3.761	5.01E-99
GPX2	6.966	8.97E-124	AC105053.1	-3.758	2.46E-39
LINC01305	6.950	2.42E-60	ADRA1A	-3.753	3.14E-20
SP8	6.945	2.03E-60	CCL14	-3.747	2.32E-46
SPRR2D	6.941	3.47E-76	HIGD1B	-3.746	1.54E-138
HOXC-AS3	6.927	1.49E-42	EFCC1	-3.746	1.38E-99
CST4	6.916	1.68E-48	MT1M	-3.743	9.45E-57
C12orf56	6.887	9.62E-198	MAP1LC3C	-3.740	3.44E-45
C6orf15	6.884	1.47E-44	MYH2	-3.736	1.83E-23
LINC01854	6.882	6.94E-23	SFTA3	-3.730	4.41E-25
LIN28B	6.869	2.88E-28	MRC1	-3.723	2.94E-64
UGT1A8	6.863	7.60E-31	LINC00163	-3.723	1.26E-30
BBOX1-AS1	6.854	1.70E-205	ABCA3	-3.723	8.41E-48
HOXC10	6.850	1.90E-76	CHRDL1	-3.718	6.60E-45
ADGRG7	6.842	2.58E-27	RASGRF1	-3.717	3.80E-44
SPRR2E	6.841	2.57E-55	TNR	-3.708	2.49E-28
SPRR2A	6.836	2.14E-66	SLC10A2	-3.707	1.08E-16
CALB1	6.835	7.09E-54	AC026992.2	-3.704	3.25E-49
MYOD1	6.834	2.92E-28	CAVIN2	-3.704	1.32E-71
RPTN	6.831	7.80E-43	ROBO4	-3.697	1.26E-159
DMRTA2	6.829	2.54E-85	COL4A3	-3.690	1.16E-51
KLK6	6.827	5.66E-68	AOC3	-3.689	9.28E-87
SLC6A15	6.827	1.62E-98	GYPE	-3.685	7.11E-74
LIPK	6.820	1.72E-45	SLC34A2	-3.673	6.29E-32
PTHLH	6.820	1.44E-130	MYOCD	-3.668	1.10E-44
DUSP9	6.816	1.16E-176	LRRK2	-3.667	6.42E-54
CASC19	6.813	6.92E-59	PPBP	-3.665	1.78E-20
CASC19	6.813	6.92E-59	PI16	-3.664	7.08E-31
MMP13	6.812	9.96E-69	CST5	-3.658	1.75E-28
PITX1	6.805	5.37E-191	GUCA2A	-3.655	8.76E-12
S100A2	6.802	2.58E-133	SYNDIG1L	-3.655	6.16E-47
NPSR1-AS1	6.799	1.61E-64	AC018647.1	-3.641	1.36E-65
SPRR2G	6.754	2.10E-50	ADRB1	-3.640	5.23E-55
MMP10	6.744	4.26E-74	BEND2	-3.640	1.18E-31
CSN3	6.744	7.39E-13	HBM	-3.636	1.07E-19
LINC01456	6.743	2.17E-42	C18orf63	-3.635	1.28E-24
HOTAIR	6.724	6.18E-47	SELENBP1	-3.624	1.37E-65
BARX1-AS1	6.705	3.84E-48	HNF1B	-3.616	3.38E-30

PSG4	6.697	1.88E-40	SSTR1	-3.614	8.80E-33
IGFL2-AS1	6.691	3.80E-71	HSPB6	-3.610	4.36E-69
SPRR1A	6.678	3.94E-67	PTPRB	-3.609	8.05E-139
FAR2P4	6.674	3.55E-41	KCNK3	-3.608	2.26E-40
LCE3A	6.655	3.88E-31	ADAMTS9-AS2	-3.600	3.28E-98
AC007128.1	6.653	4.28E-115	PGM5	-3.597	1.93E-63
TMPRSS11D	6.648	4.82E-70	ATP1A2	-3.596	1.05E-36
ADAMTS20	6.640	3.22E-88	FXYD1	-3.595	2.33E-100
KRT17	6.639	5.53E-150	TUBB1	-3.585	1.93E-130
KPRP	6.632	7.54E-44	AC097537.1	-3.584	3.86E-06
TMEM132D-AS1	6.630	5.63E-22	MFAP4	-3.582	4.27E-63
FAM25A	6.618	1.15E-35	ART1	-3.580	1.75E-40
GPR87	6.613	3.42E-206	RAMP3	-3.579	2.87E-120
A2ML1	6.609	2.97E-84	ACOXL	-3.578	3.93E-83
KRT16	6.593	2.41E-91	S1PR1	-3.574	1.06E-111
LINC01633	6.586	3.64E-76	FO681492.1	-3.572	5.08E-55
LINC00615	6.580	5.80E-32	VIPR1	-3.565	3.49E-91
CAPNS2	6.579	9.82E-103	ANGPTL1	-3.563	2.54E-66
GABRR1	6.577	1.41E-90	AL109754.1	-3.563	9.82E-23
KRT34	6.573	3.86E-56	C10orf67	-3.561	9.45E-41
CST1	6.569	7.33E-79	MIR4717	-3.559	7.46E-08
METTL11B	6.568	1.69E-66	KANK3	-3.557	4.72E-119
LHX2	6.553	1.58E-87	CYP2B7P	-3.554	1.70E-29
IL36RN	6.550	2.53E-76	SLC51B	-3.548	2.69E-70
FBXL21	6.549	2.71E-30	ZNF385B	-3.548	1.36E-40
GABRQ	6.549	7.06E-109	FFAR4	-3.547	4.69E-53
IL36A	6.545	1.97E-31	LINC02360	-3.547	7.66E-13
IGFL1	6.545	1.41E-65	CDH5	-3.546	6.84E-138
FAM83B	6.537	1.33E-263	MYRF	-3.545	3.61E-81
LINC01096	6.527	1.61E-61	FPR2	-3.538	1.74E-48
FOXI3	6.512	1.26E-66	LINC00670	-3.536	4.11E-22
CRNN	6.506	5.46E-28	CAPN9	-3.525	2.95E-49
CSAG3	6.503	3.95E-40	RGCC	-3.519	1.22E-141
GAGE2A	6.502	2.30E-12	KL	-3.514	2.74E-62
GAGE2A	6.502	2.30E-12	LINC00891	-3.511	9.29E-65
PPP2R2C	6.490	3.56E-146	AGTR2	-3.509	1.02E-16
IVL	6.478	1.41E-76	SOX17	-3.507	3.68E-102
PDX1	6.471	1.28E-31	NMUR1	-3.501	4.73E-74
LINC02466	6.469	2.05E-53	ITGA8	-3.500	1.28E-75
DLX2	6.467	5.77E-64	COL6A6	-3.498	1.50E-44
AC003958.2	6.467	3.04E-45	LINC00694	-3.498	9.74E-58
AL365356.5	6.460	1.86E-61	LEFTY2	-3.494	2.12E-39
FADS6	6.450	1.82E-71	MT1A	-3.489	1.10E-23
FAM83A	6.447	9.56E-94	C2orf91	-3.483	1.05E-34
CLCA4	6.442	1.29E-60	GPX3	-3.481	1.37E-77
MED15P9	6.439	7.04E-22	GYPB	-3.480	2.95E-15
HOXA11	6.434	1.91E-81	A2M	-3.479	2.24E-87
SBSN	6.421	1.04E-59	CCDC85A	-3.473	8.19E-60
CSAG2	6.405	1.12E-32	ADGRG4	-3.470	2.14E-23
AC002351.1	6.392	1.41E-29	FAM216B	-3.466	2.05E-19
FAM83A-AS1	6.389	1.66E-72	PLAC9	-3.465	2.10E-110
ATP4A	6.372	1.89E-46	SLC19A3	-3.465	1.05E-52
NTS	6.365	3.27E-48	LINC00261	-3.458	1.20E-19
SOX1	6.360	7.76E-21	MIR6071	-3.454	4.92E-22
EN2	6.334	8.14E-67	MMRN1	-3.453	2.59E-57

GJB2	6.334	7.39E-122	LINC00656	-3.453	1.34E-41
MPPED1	6.332	1.07E-48	SHE	-3.445	2.13E-82
MAGEB6	6.301	9.47E-31	AFF3	-3.439	3.32E-48
CDX2	6.299	3.00E-31	TRHDE	-3.433	7.30E-18
C1orf68	6.289	4.25E-29	SFTPB	-3.433	7.71E-23
LINC01559	6.288	1.07E-55	ACADL	-3.432	1.46E-49
KRTDAP	6.286	7.56E-49	SLC1A1	-3.431	5.79E-75
SPRR2B	6.279	9.42E-37	SRGAP3-AS2	-3.429	5.09E-15
DLX5	6.279	4.33E-134	LIMCH1	-3.427	3.83E-74
DSG4	6.275	3.53E-38	SCGB3A1	-3.425	8.89E-22
KHDC1L	6.273	1.54E-40	UPK3B	-3.420	6.62E-33
NXPH4	6.270	2.22E-183	PIGR	-3.419	6.50E-30
INA	6.270	9.87E-68	NOSTRIN	-3.418	6.72E-138
PNCK	6.267	9.74E-131	PGM5P4-AS1	-3.417	4.29E-37
ZP4	6.261	6.61E-16	SEMA3G	-3.409	2.26E-120
PSG5	6.255	2.79E-33	C7	-3.409	3.82E-33
IGFL3	6.253	2.39E-40	MOGAT1	-3.399	9.01E-28
GAL	6.246	6.21E-86	C4BPA	-3.397	7.09E-22
SLCO1B3	6.243	1.23E-42	MYRIP	-3.395	3.04E-53
KRT15	6.238	7.41E-110	LINC01331	-3.393	2.05E-17
LHX8	6.235	8.77E-27	WISP2	-3.390	7.70E-57
NR2E1	6.233	6.92E-38	LINC01616	-3.386	1.21E-08
SOST	6.232	2.37E-42	LOXHD1	-3.372	1.57E-45
LINC01611	6.230	5.74E-34	CSRNP1	-3.370	8.90E-127
CACNA1B	6.230	9.74E-93	ARHGEF15	-3.367	5.96E-130
NAALADL2-AS2	6.218	1.08E-46	C6	-3.360	1.26E-20
CFHR4	6.215	1.04E-40	CA3	-3.358	9.70E-40
GRHL3	6.207	6.02E-177	ABI3BP	-3.352	1.15E-56
AC012213.1	6.206	1.38E-51	RND1	-3.351	2.22E-38
KIF1A	6.204	9.12E-55	IHH	-3.349	7.11E-19
PAX3	6.199	2.27E-40	SPAAR	-3.343	2.02E-115
KREMEN2	6.197	3.28E-94	RMST	-3.343	5.39E-14
CNTNAP5	6.189	2.09E-35	C1orf87	-3.340	4.08E-14
PKP1	6.186	3.00E-154	EPAS1	-3.339	5.72E-112
MIR137HG	6.185	9.30E-29	CRTAC1	-3.335	1.74E-30
ADH7	6.173	3.39E-60	BTNL9	-3.334	9.47E-37
DNAJB3	6.173	5.64E-46	AGBL1	-3.333	3.00E-21
CALML3-AS1	6.164	6.38E-137	LINC01447	-3.332	1.37E-28
FEZF1	6.151	2.97E-74	ACKR1	-3.330	9.99E-38
HOXA11-AS	6.150	5.66E-68	LDB2	-3.328	1.85E-132
ALX3	6.145	3.34E-25	CX3CR1	-3.327	2.66E-58
FAM230C	6.140	2.72E-14	VSIG2	-3.321	9.87E-34
SMCP	6.137	4.77E-24	ADGB	-3.320	6.67E-15
AL136537.2	6.121	1.25E-13	OLR1	-3.315	5.40E-45
ABCA12	6.112	3.23E-153	FOXA2	-3.311	1.22E-27
LINC02393	6.111	5.84E-24	VWF	-3.310	2.15E-104
MIR205HG	6.110	2.64E-164	SPATS1	-3.310	1.86E-09
COL17A1	6.100	9.33E-105	SSMEM1	-3.309	1.78E-35
MMP3	6.095	1.79E-73	C2orf40	-3.305	1.16E-24
LHX1	6.093	1.47E-26	KLB	-3.305	2.41E-36
GOLGA6L2	6.079	6.42E-32	C1orf158	-3.303	3.70E-13
SLC9A4	6.078	4.39E-56	SPOCK2	-3.303	1.43E-48
FOXD3	6.071	8.76E-67	GPR17	-3.301	7.57E-43
DSC3	6.066	1.12E-140	STEAP4	-3.299	7.98E-38
TMPRSS11GP	6.065	2.23E-38	AL354714.1	-3.299	4.54E-25

UNC93A	6.064	1.45E-33	C1orf140	-3.299	2.58E-35
PI3	6.057	1.67E-61	AKAP2	-3.295	4.16E-59
STXBP5L	6.057	2.20E-50	CFAP65	-3.293	2.77E-18
DMBX1	6.044	7.02E-56	VWA3B	-3.292	7.19E-27
LINC02476	6.019	1.06E-13	TMEM212	-3.285	4.20E-16
FLJ36000	6.018	1.37E-15	TMEM212	-3.285	4.20E-16
FAT2	6.015	1.88E-138	SIRPB1	-3.284	5.38E-57
CLCA2	6.011	8.43E-92	TEKT1	-3.278	2.21E-17
NPBWR1	6.008	4.35E-61	PREX2	-3.277	4.47E-79
DPYSL5	6.006	1.31E-35	TMEM108-AS1	-3.273	1.06E-21
LINC00519	5.977	1.99E-109	AP003548.1	-3.270	1.50E-37
AC019155.3	5.969	2.95E-41	LGI3	-3.267	1.28E-26
SDR9C7	5.967	1.39E-57	MYOC	-3.265	3.96E-11
FEZF1-AS1	5.965	1.11E-84	MAS1L	-3.260	8.74E-18
ZIC1	5.963	1.13E-33	AQP1	-3.260	4.18E-47
ZIC1	5.963	1.13E-33	GCOM1	-3.259	5.42E-48
LINC00221	5.951	1.32E-13	SIGLEC11	-3.255	2.99E-44
STATH	5.932	1.57E-20	GIMAP8	-3.255	1.64E-97
AC136759.1	5.927	7.58E-39	PCDHA12	-3.254	1.34E-26
KRT78	5.913	4.47E-73	CASQ2	-3.253	9.15E-34
EMX1	5.902	8.46E-66	KCNT2	-3.253	4.37E-58
CLEC2L	5.890	2.64E-57	FMO2	-3.252	2.35E-43
CTCFL	5.889	3.41E-25	KCNA10	-3.249	1.39E-26
HOXC-AS2	5.887	6.46E-71	ANKRD66	-3.248	6.69E-13
LINC01391	5.882	4.95E-31	SCN1A	-3.247	2.39E-27
ZIC5	5.873	2.33E-92	FCN1	-3.244	2.46E-55
DEFB126	5.873	8.09E-42	CLEC19A	-3.243	6.94E-26
H2BFWT	5.872	1.71E-43	GATA6-AS1	-3.241	9.65E-59
PLAC1	5.864	1.61E-69	LINC01108	-3.240	2.26E-23
FABP7	5.860	8.24E-38	LRRC18	-3.235	2.89E-26
LYPD3	5.851	1.00E-139	RSPO2	-3.235	1.58E-19
UCN2	5.849	5.22E-107	ALDH3B1	-3.227	8.10E-63
HOXA10-AS	5.846	3.39E-48	PDE1C	-3.226	8.90E-71
LINC01297	5.827	1.15E-21	PTPN5	-3.226	4.29E-32
IQCM	5.822	6.02E-43	CRH	-3.226	9.20E-07
CYP26A1	5.795	5.20E-54	NCKAP5	-3.224	8.02E-56
COL7A1	5.792	1.07E-155	SLC6A20	-3.223	1.65E-35
ACP7	5.790	1.01E-67	SLC26A9	-3.223	1.06E-34
B4GALNT4	5.779	2.12E-195	RAMP2	-3.215	1.03E-157
KLK8	5.776	1.96E-46	GLDN	-3.213	6.95E-76
ZIC2	5.774	3.06E-102	FBP1	-3.210	2.86E-55
HOXD12	5.770	1.96E-45	CHI3L2	-3.210	1.47E-34
AC090502.1	5.766	9.72E-25	RXRG	-3.207	4.50E-30
VCX	5.760	6.36E-44	TMEM132C	-3.202	1.76E-13
MIR4713HG	5.745	1.03E-69	MIR3677	-3.201	6.40E-46
AC105243.1	5.741	4.10E-18	TMEM125	-3.201	2.82E-51
GLYATL2	5.737	1.55E-51	ACVRL1	-3.201	3.50E-143
LINC00958	5.737	7.84E-108	ARHGAP6	-3.200	1.29E-72
TGM5	5.735	2.03E-71	ADGRE3	-3.199	2.52E-44
DLL3	5.727	1.12E-71	CADM3-AS1	-3.198	4.46E-28
MIR2117HG	5.721	4.13E-51	DNASE2B	-3.198	3.46E-30
LINC01748	5.716	4.54E-131	CAV1	-3.197	3.03E-64
OR6C70	5.716	4.04E-21	SLIT3	-3.197	6.41E-53
LINC00871	5.706	1.95E-35	TBX4	-3.190	1.87E-55
NKAIN2	5.703	1.11E-81	LINC02185	-3.189	1.01E-30
TP63	5.702	1.30E-152	CPAMD8	-3.188	5.31E-50

CT83	5.701	3.75E-18	AL138737.1	-3.187	1.22E-11
TFF2	5.695	9.54E-20	NR4A3	-3.185	7.63E-41
MMP12	5.691	9.94E-133	C1orf194	-3.184	2.99E-20
UPK1B	5.689	1.32E-41	ERBB4	-3.183	1.11E-34
SLC2A1	5.687	1.02E-250	MYCT1	-3.178	3.07E-117
CYP4F11	5.681	1.04E-52	CGNL1	-3.175	3.96E-77
ZFHX4-AS1	5.679	3.58E-26	JAM2	-3.173	1.96E-113
GJB5	5.675	5.38E-158	SPN	-3.168	3.84E-66
AF274856.1	5.675	1.74E-37	CFAP77	-3.166	2.22E-22
GFY	5.659	2.31E-32	ARC	-3.163	6.58E-37
UGT1A6	5.654	7.77E-88	AWAT2	-3.162	6.94E-20
MRGPRX3	5.641	1.27E-33	AP000866.2	-3.161	2.44E-99
DQX1	5.640	1.61E-171	DNAH9	-3.160	1.47E-24
MMP11	5.640	2.95E-131	CCBE1	-3.159	2.00E-33
MMP1	5.627	3.01E-79	ATP8B5P	-3.155	3.66E-82
SALL1	5.627	2.82E-39	FMO5	-3.153	2.39E-57
TERT	5.624	2.72E-71	LINC02038	-3.152	2.77E-36
AKR1C2	5.623	1.56E-74	CLDN5	-3.150	1.53E-68
MSGN1	5.614	2.25E-31	MROH9	-3.147	7.15E-26
FAM131C	5.605	1.39E-120	SGCA	-3.146	2.23E-44
CA9	5.600	1.71E-78	WWC2	-3.146	9.96E-126
IL20RB	5.598	1.79E-86	HHATL-AS1	-3.140	2.56E-15
RETNLB	5.597	4.87E-47	LINC00702	-3.135	1.11E-58
TMPRSS4	5.590	1.75E-149	HAS1	-3.135	1.42E-25
LINC02178	5.589	3.65E-30	AL365199.1	-3.132	4.05E-29
POU4F1	5.571	5.18E-48	C16orf78	-3.127	2.34E-17
STRA8	5.562	2.38E-25	DMBT1	-3.126	4.56E-18
SCHLAP1	5.561	5.72E-11	FABP4	-3.123	1.54E-15
KRT3	5.557	9.08E-52	KIR3DL1	-3.121	1.43E-26
CNTNAP2	5.550	2.94E-71	KCNA5	-3.121	2.65E-34
COL11A1	5.549	2.87E-91	C11orf97	-3.119	5.48E-10
GAGE1	5.548	1.19E-07	FGFR4	-3.118	2.42E-59
LINC01639	5.538	4.66E-17	LHFPL3	-3.116	1.06E-20
NOVA1-AS1	5.534	1.97E-24	MIR3945	-3.115	9.94E-07
IGFL4	5.533	3.63E-69	AL353616.2	-3.115	1.62E-15
IGFL4	5.533	3.63E-69	CXCR1	-3.114	1.42E-24
SLC25A48	5.522	2.65E-52	FAM162B	-3.114	1.20E-77
KRT84	5.519	7.80E-35	CLEC14A	-3.113	9.72E-120
PRSS56	5.518	6.43E-18	USHBP1	-3.112	7.10E-131
GBP6	5.511	6.15E-90	TNS1	-3.112	2.10E-110
DSCR4	5.502	6.64E-07	RGR	-3.107	4.57E-10
COX6B2	5.501	9.97E-67	C6orf118	-3.103	2.07E-13
NEFL	5.500	2.06E-41	SYNE1	-3.101	6.12E-82
ZIC3	5.497	2.15E-16	TAL1	-3.098	1.50E-58
GNG4	5.487	2.41E-84	CD93	-3.096	5.67E-92
SLURP1	5.481	3.49E-31	VSIG4	-3.093	1.96E-48
UGT1A9	5.465	8.56E-22	ERICH3	-3.091	1.44E-18
IL1RAPL2	5.464	2.60E-45	ESAM	-3.091	7.14E-129
TGM6	5.460	6.78E-17	CHRNA2	-3.089	1.10E-18
AC011374.1	5.456	1.55E-82	LONRF3	-3.088	9.47E-53
PRSS3	5.433	5.22E-50	BTNL8	-3.087	4.85E-55
CSAG4	5.429	3.00E-15	FAXDC2	-3.085	2.10E-63
PNPLA5	5.423	8.50E-25	KLF2	-3.083	1.27E-80
AC097512.1	5.421	4.75E-17	MYO16-AS1	-3.081	1.89E-21
OTOG	5.419	6.90E-30	UMODL1-AS1	-3.080	2.84E-17
SNX31	5.419	1.12E-58	SMIM25	-3.079	1.29E-74

CLDN17	5.417	4.29E-19	TEX49	-3.076	1.02E-24
AC243773.2	5.417	1.96E-19	AC011899.2	-3.075	2.14E-65
SHOX2	5.411	4.69E-130	AGR3	-3.075	8.94E-25
AC021079.1	5.411	1.68E-25	GPRC5A	-3.074	4.21E-45
TNS4	5.408	4.10E-149	SLC4A1	-3.071	5.11E-22
AF131216.3	5.408	1.35E-38	APLN	-3.071	5.97E-61
ONECUT3	5.405	3.70E-39	ECSCR	-3.070	2.09E-117
HMX2	5.396	1.50E-26	ARRB1	-3.069	1.91E-83
FUT9	5.389	2.81E-29	LINC00607	-3.064	3.30E-61
ZIC4	5.388	1.46E-25	PECAM1	-3.062	3.33E-114
SPERT	5.388	1.53E-85	LINC00940	-3.059	6.56E-19
C1QL4	5.387	7.36E-50	AL359633.2	-3.053	4.35E-09
TGIF2LX	5.381	1.45E-10	ERICH4	-3.051	5.66E-58
SPANXB1	5.375	6.17E-12	AGTR1	-3.050	7.18E-32
KRT33B	5.368	5.07E-28	STAC	-3.050	5.20E-38
AC018716.2	5.368	2.52E-24	ZMYND10	-3.049	4.77E-26
SPTSSB	5.362	2.33E-66	PGM5P3-AS1	-3.049	5.64E-18
ZYG11A	5.361	8.78E-103	TDRD10	-3.046	2.17E-40
TFAP2D	5.359	4.33E-13	LIMS2	-3.044	7.79E-97
RIMS2	5.358	2.86E-90	C10orf107	-3.043	3.59E-26
NKX2-4	5.354	3.51E-14	GNG11	-3.043	7.43E-78
LINC02484	5.351	3.54E-07	C20orf85	-3.042	7.52E-11
ERVV-2	5.350	3.72E-13	CABP5	-3.041	2.51E-09
FTLP10	5.348	1.85E-20	PADI4	-3.037	4.30E-29
GABRG3	5.343	5.84E-33	AL096772.1	-3.037	6.62E-15
RNASE10	5.340	1.16E-39	ALDH1A2	-3.030	1.31E-39
TFAP2A	5.337	3.59E-270	LRRC32	-3.029	1.64E-91
ZNF695	5.335	1.05E-100	PRND	-3.028	7.78E-24
PGLYRP4	5.334	7.11E-71	DCDC2	-3.026	1.19E-33
CCDC177	5.330	8.57E-44	AC016987.2	-3.025	2.69E-04
RNASE7	5.330	1.44E-53	MORN5	-3.024	7.64E-15
FBN2	5.328	1.39E-52	SERPINA2	-3.019	3.03E-10
AL034399.2	5.326	9.72E-54	ACTN2	-3.019	1.67E-27
KRT37	5.321	2.44E-30	FAM110D	-3.019	2.61E-88
DCAF8L2	5.317	3.88E-10	SNTN	-3.018	6.68E-18
MYEOV	5.314	9.30E-58	HSPA12B	-3.017	3.03E-107
DSG1	5.311	7.77E-47	ELANE	-3.016	4.10E-38
EFNA2	5.310	9.35E-33	APOBEC4	-3.016	9.31E-12
HAP1	5.306	1.38E-88	C1orf141	-3.012	1.82E-12
AC087258.1	5.304	8.31E-20	ROR1	-3.010	4.56E-48
ARTN	5.304	6.07E-133	GLP2R	-3.008	5.72E-17
LINC00634	5.303	2.69E-70	ADRB2	-3.007	1.02E-48
SOX2-OT	5.300	2.58E-57	PIH1D3	-3.006	5.70E-12
LINC02525	5.297	1.85E-10	JCAD	-3.005	1.33E-88
LINC00462	5.297	5.05E-30	NOVA2	-3.001	3.51E-95
FAM69C	5.295	3.31E-37	NECAB1	-3.000	2.21E-45
DYNAP	5.291	4.12E-17	BTNL3	-3.000	3.90E-16
LINC01873	5.290	2.62E-45	FRMD3	-3.000	9.91E-79
LINC01208	5.290	4.77E-35	AOX1	-3.000	1.38E-49
CASC20	5.289	3.63E-38	PKNOX2	-2.999	1.47E-60
RAB3B	5.282	2.46E-77	FBLN5	-2.999	2.08E-75
LY6G6C	5.276	1.04E-51	SELE	-2.998	7.97E-23
LINC02327	5.275	2.14E-10	CD52	-2.996	2.30E-53
EPHA8	5.274	2.84E-32	C8orf34-AS1	-2.996	2.51E-20
LINC01956	5.271	4.10E-24	CYP4Z2P	-2.996	7.97E-20
AL590644.1	5.269	6.51E-39	PCAT19	-2.995	3.40E-70

LINC01287	5.263	2.03E-24	LRRC71	-2.991	1.30E-22
HEPHL1	5.260	3.75E-52	LDLRAD1	-2.991	9.62E-17
SLCO6A1	5.259	8.79E-37	CDO1	-2.990	5.37E-33
HOXD10	5.257	5.57E-80	MMP24	-2.985	8.25E-63
CDH18	5.256	4.07E-20	CATSPERD	-2.984	3.12E-16
MAFA-AS1	5.250	8.37E-38	ALOX15B	-2.977	3.74E-33
SH2D5	5.246	1.19E-78	TCTE1	-2.975	1.95E-22
AC008649.1	5.243	4.80E-39	MIR27A	-2.975	9.28E-27
SOX11	5.241	2.91E-38	ARHGAP44	-2.975	8.50E-67
SLCO1B1	5.232	1.29E-30	AC023509.2	-2.973	7.33E-52
HOXA10	5.229	2.65E-142	ACKR4	-2.972	1.62E-73
SGCZ	5.228	7.15E-21	IL6	-2.971	2.71E-28
GJA3	5.228	1.48E-80	CASS4	-2.969	8.74E-67
FAM237A	5.227	1.73E-21	SLC4A4	-2.967	1.23E-33
OR7A5	5.226	5.89E-42	CD36	-2.966	1.37E-41
LINC02141	5.215	4.78E-21	SGMS2	-2.963	7.97E-81
FER1L6-AS2	5.210	1.74E-15	DNAI2	-2.960	1.45E-18
NAA11	5.205	3.29E-14	DNAH12	-2.959	1.66E-20
ZFPM2-AS1	5.204	3.70E-69	XAGE2	-2.958	5.58E-14
LINC00518	5.202	3.61E-22	STARD8	-2.957	1.13E-95
BX276092.7	5.198	5.47E-20	HYAL1	-2.957	6.19E-68
DLX2-AS1	5.191	9.57E-33	WFDC6	-2.956	4.86E-08
HIST1H2BH	5.190	6.94E-87	LMO3	-2.955	5.10E-24
LINC00461	5.188	1.72E-28	CFAP52	-2.954	6.65E-27
H2BFM	5.185	2.80E-29	GNA14-AS1	-2.954	3.20E-22
NKX2-2	5.185	1.56E-13	TTC29	-2.953	5.76E-13
CSTL1	5.178	4.90E-37	SIRPD	-2.953	4.47E-46
SELENOV	5.172	8.27E-19	NR4A1	-2.952	3.58E-50
SOX2	5.168	2.45E-91	IQSEC3	-2.951	2.32E-41
TCHHL1	5.166	4.35E-25	PTCRA	-2.950	4.21E-48
NPPC	5.165	1.61E-44	HELT	-2.950	1.68E-10
AC090282.1	5.164	4.01E-32	LINC01571	-2.948	5.18E-08
AC073316.1	5.162	1.99E-24	AC004832.1	-2.947	2.37E-16
TPRXL	5.159	5.43E-106	FSHR	-2.944	3.20E-09
LINC02492	5.157	2.25E-08	MSR1	-2.944	2.30E-49
SLC5A12	5.156	5.21E-95	NRG3	-2.942	4.94E-27
MMP20	5.153	6.92E-25	C5orf64	-2.939	3.89E-43
SPRR2F	5.149	4.76E-35	STMND1	-2.937	1.84E-15
BCL2L10	5.146	1.47E-90	AC013264.1	-2.935	5.29E-20
GJB3	5.145	8.29E-144	MYBPHL	-2.934	8.18E-20
ADGRD2	5.141	1.97E-45	NKX2-1	-2.932	2.26E-19
EEF1A2	5.132	2.19E-45	CFAP221	-2.930	1.22E-27
UGT1A3	5.127	6.00E-36	WDR38	-2.928	3.29E-17
WDR72	5.126	3.53E-151	PHACTR1	-2.927	1.93E-82
SULT4A1	5.123	2.50E-61	RRAD	-2.925	2.26E-30
ISM2	5.122	9.40E-63	MROH5	-2.925	2.41E-23
GOLGA6L7P	5.121	3.12E-26	SH2D3C	-2.921	3.73E-118
KRT17P2	5.120	2.42E-43	HYDIN	-2.917	8.48E-25
FAM71F1	5.115	4.08E-36	CFD	-2.916	3.44E-68
ADGRF4	5.106	5.20E-95	AC005358.2	-2.915	4.09E-28
KCNG1	5.102	3.33E-82	VWA3A	-2.915	6.91E-18
DSC1	5.102	4.72E-50	TUBA4B	-2.911	9.35E-20
LINC01205	5.098	1.99E-12	DUSP27	-2.911	7.90E-13
LINC01608	5.098	7.56E-06	SELP	-2.910	7.14E-46
LINC01981	5.098	5.69E-37	FAM138B	-2.909	3.61E-14
LINC01527	5.093	1.15E-32	CCM2L	-2.907	5.09E-87

CRABP1	5.087	9.02E-39	AC015914.1	-2.907	5.56E-44
CEL	5.073	4.22E-55	COX4I2	-2.906	3.43E-75
GPR149	5.072	1.02E-19	ESYT3	-2.905	5.92E-47
OTOP2	5.066	2.04E-34	FYB2	-2.904	2.41E-30
LINC01524	5.058	3.98E-34	PLA2G12B	-2.901	2.27E-11
ZAN	5.056	8.43E-30	FOXF1	-2.900	1.51E-75
GJB4	5.053	2.84E-81	GAS2L2	-2.900	1.09E-17
MKRN3	5.051	3.13E-52	CAPSL	-2.898	4.42E-16
GHRH	5.043	3.64E-12	LINC01352	-2.897	2.11E-53
LINC02167	5.038	2.08E-12	SYT15	-2.892	4.35E-48
SHISA9	5.037	2.85E-27	ALOX5AP	-2.892	5.44E-57
CYP4F3	5.034	9.63E-40	LMO7	-2.890	9.77E-116
FSTL5	5.030	1.99E-26	SHROOM4	-2.890	2.23E-70
PPY2P	5.029	3.66E-13	DPEP2	-2.890	8.30E-62
KC6	5.029	1.76E-76	NLRP12	-2.888	1.43E-35
LSAMP-AS1	5.028	2.96E-42	MAP3K19	-2.886	3.24E-20
AC006305.1	5.028	7.84E-78	LAMP3	-2.883	6.23E-51
GDA	5.026	2.30E-59	TMEM139	-2.882	2.14E-26
NKAIN1	5.023	5.81E-83	ST8SIA6	-2.881	9.07E-34
SLC13A5	5.021	7.99E-48	ANGPT1	-2.879	4.78E-47
SLC24A2	5.004	6.99E-94	C1orf116	-2.878	2.61E-57
IGF2BP3	5.000	2.67E-118	PGR	-2.877	1.58E-51
TAS2R38	5.000	3.10E-31	RBPMS-AS1	-2.877	1.91E-57
C4orf17	4.991	7.03E-22	PCDH12	-2.877	1.66E-106
AC024940.1	4.988	2.32E-58	AC137056.1	-2.873	6.90E-04
ERVMER61-1	4.980	1.38E-10	MS4A2	-2.872	1.67E-44
FOXG1	4.977	6.78E-18	TMEM213	-2.872	5.02E-13
CABYR	4.977	6.92E-86	SLC24A4	-2.870	3.05E-41
HIST1H3B	4.974	5.49E-43	HTR3C	-2.870	1.24E-09
MIR2052HG	4.970	1.24E-65	DRC7	-2.869	1.95E-18
SOX21	4.967	6.16E-73	TPPP3	-2.869	8.73E-41
RTBDN	4.963	3.07E-34	NXPH3	-2.868	3.71E-43
FAM133A	4.963	8.45E-31	HPSE2	-2.867	1.25E-25
CBLN2	4.953	1.49E-27	GUCY1A2	-2.864	4.31E-73
NMU	4.946	4.33E-76	DPYSL2	-2.864	7.33E-99
LINC02473	4.939	6.36E-31	LCN10	-2.862	3.14E-14
BPIFC	4.938	6.85E-24	HSPB7	-2.862	2.51E-49
OLFM4	4.928	1.20E-33	FILIP1	-2.862	2.40E-51
TPTE	4.926	1.38E-06	TRIM71	-2.861	5.80E-21
TMEM179	4.921	3.98E-29	SCEL	-2.859	5.19E-27
POU6F2	4.918	1.17E-90	RGN	-2.859	9.72E-39
DLK1	4.915	1.46E-12	PLA1A	-2.858	2.92E-47
LINC02505	4.905	1.15E-12	PRAM1	-2.858	2.98E-69
CNFN	4.896	3.87E-72	TIE1	-2.857	1.77E-94
TCN1	4.891	1.62E-36	RSPH1	-2.855	5.21E-23
MNX1-AS1	4.887	3.27E-41	MYOZ1	-2.854	6.61E-34
IGSF11	4.879	1.17E-99	C20orf202	-2.852	9.65E-99
DKK4	4.879	1.46E-30	EMP2	-2.851	2.01E-125
LL22NC03-63E9.3	4.855	1.02E-33	KLHL33	-2.850	3.78E-42
CLEC2A	4.855	2.59E-11	FAM81B	-2.849	1.19E-17
AL033384.1	4.854	3.62E-71	STARD13-AS	-2.848	7.89E-39
TLX2	4.851	8.08E-50	TMEM88	-2.847	1.30E-82
LINC00536	4.848	1.09E-24	IL5RA	-2.847	1.23E-28
ALX1	4.847	1.73E-25	AP000462.3	-2.845	1.36E-10
SLC6A11	4.845	4.22E-39	IL13	-2.844	7.18E-22

COL22A1	4.842	5.21E-49	CD302	-2.843	1.32E-90
AP000251.1	4.840	2.19E-79	PGLYRP1	-2.842	8.02E-42
ARSH	4.835	2.25E-39	AATK	-2.841	5.65E-63
PTPRZ1	4.833	9.69E-82	SLC16A12-AS1	-2.839	1.10E-09
43901	4.832	9.05E-13	CNGA4	-2.837	3.45E-24
SERPINB3	4.831	5.92E-42	ADAM29	-2.835	1.96E-17
PRB4	4.830	6.87E-08	HLX-AS1	-2.835	1.91E-37
AC044839.1	4.828	6.89E-15	TGFBR2	-2.834	3.35E-93
AL445072.1	4.823	4.42E-29	BX248123.1	-2.834	5.81E-35
ZNF716	4.816	2.40E-10	F8	-2.832	1.04E-121
EVX1	4.812	2.54E-22	CCDC173	-2.827	2.69E-40
LUARIS	4.809	5.32E-45	CCDC33	-2.827	4.90E-14
CHRNB4	4.809	1.50E-90	CFAP73	-2.825	1.26E-23
KRT83	4.801	1.09E-27	C5orf49	-2.820	6.38E-21
AC016205.1	4.801	1.18E-93	C9orf24	-2.816	3.00E-20
APOBEC1	4.801	4.49E-12	LINC02552	-2.815	4.14E-08
AC106875.1	4.797	1.66E-13	RNASE1	-2.814	8.69E-57
UBE2C	4.794	0.00E+00	CFAP43	-2.807	7.54E-26
LY6K	4.794	5.07E-79	C9orf135	-2.806	1.69E-11
CYP24A1	4.794	9.02E-43	RIIAD1	-2.804	4.96E-18
GCGR	4.790	1.45E-36	DNAI1	-2.804	9.55E-16
CRYBA2	4.789	7.36E-24	C14orf180	-2.803	3.77E-14
MYH6	4.788	5.29E-24	CFP	-2.802	1.64E-57
TEX19	4.786	1.03E-29	AC005056.1	-2.801	1.28E-24
CLPSL1	4.781	3.02E-17	COLEC12	-2.800	2.24E-49
TENM2	4.781	5.04E-51	HOPX	-2.799	1.14E-38
UGT2A1	4.778	3.79E-23	COL4A4	-2.799	9.76E-34
TRIM15	4.778	2.46E-29	CAMP	-2.799	1.51E-23
POU3F2	4.776	2.69E-29	CCDC68	-2.799	1.51E-43
NEUROG2	4.776	1.90E-20	LSINCT5	-2.797	7.24E-14
SERPINA4	4.772	3.50E-18	FAM105A	-2.797	2.64E-78
KRT24	4.771	4.38E-21	NRGN	-2.797	2.36E-38
ANXA10	4.771	1.36E-31	MIR23A	-2.797	4.10E-29
FAM83F	4.766	5.00E-147	CDHR4	-2.797	4.53E-14
QRFPR	4.764	2.13E-21	SPAG6	-2.796	1.11E-15
SLC39A2	4.762	4.78E-52	RASGRP4	-2.794	2.74E-76
OTX1	4.755	1.07E-123	TREM1	-2.793	3.19E-36
SIM1	4.755	1.58E-11	FGD5	-2.792	7.16E-75
CASC8	4.749	2.22E-81	SHC3	-2.791	1.37E-56
KLK9	4.748	2.35E-13	MLPH	-2.790	1.23E-31
SOX15	4.747	7.65E-98	TMPRSS2	-2.789	6.47E-30
IGSF9	4.746	1.57E-167	C2orf73	-2.789	1.64E-23
TRIM29	4.743	2.89E-141	MYH1	-2.788	3.34E-16
C10orf90	4.740	2.17E-31	NLRC4	-2.787	1.16E-98
LINC02043	4.733	6.56E-44	KCNA3	-2.787	4.10E-34
PTCSC2	4.731	1.25E-27	C11orf96	-2.787	1.05E-45
LCE1B	4.719	2.93E-21	OR6N1	-2.785	2.32E-08
SERPINB7	4.718	3.01E-46	AC092809.2	-2.785	3.39E-28
CHAT	4.718	1.42E-19	MS4A7	-2.783	1.61E-53
MYBL2	4.709	5.06E-288	MUSK	-2.783	3.46E-42
MEGF10	4.709	8.90E-48	SEMA3B	-2.783	4.93E-38
SLC15A1	4.708	2.22E-87	SMAD6	-2.783	2.53E-74
TRPM2-AS	4.707	1.66E-70	LINC00906	-2.781	1.89E-07
PYDC1	4.702	9.31E-22	LINC00906	-2.781	1.89E-07
ASCL4	4.701	2.64E-20	LINC01738	-2.781	6.76E-04
KIF18B	4.700	2.73E-263	GPBAR1	-2.780	1.73E-81

FDCSP	4.700	1.98E-24	PTPN21	-2.780	3.97E-119
TROAP	4.700	0.00E+00	TMCO2	-2.780	5.68E-36
RAX	4.700	1.67E-19	CCDC170	-2.779	1.28E-30
ALDH3B2	4.696	6.04E-113	GSTM5	-2.777	1.61E-59
PSAT1	4.695	3.72E-178	ZBBX	-2.776	2.02E-14
CDH12	4.694	1.99E-23	SYNE1-AS1	-2.775	1.66E-21
KCNU1	4.691	1.63E-15	COBL	-2.773	2.77E-31
CLCA3P	4.688	5.90E-38	RGS22	-2.771	1.66E-26
AC133681.1	4.676	1.29E-17	ARHGAP31	-2.770	2.27E-82
ZNF556	4.676	2.95E-45	PIFO	-2.769	2.40E-24
LINC02310	4.672	4.94E-24	EPPIN-WFDC6	-2.769	1.46E-06
AL365356.3	4.670	7.24E-30	AL359815.1	-2.769	4.58E-20
SAPCD2	4.667	6.17E-179	ALOX5	-2.768	2.68E-55
AC100839.1	4.663	7.87E-15	HPGD	-2.766	2.61E-28
MIR3972	4.661	6.42E-14	LRRC2	-2.765	4.11E-39
MYBPC1	4.660	9.31E-23	OR2B11	-2.765	2.86E-13
CNPY1	4.656	1.54E-14	STX11	-2.764	6.43E-70
GRM4	4.656	8.17E-48	LINC01166	-2.764	7.49E-10
LINC00466	4.655	8.91E-26	IGFALS	-2.764	5.37E-30
CT45A10	4.654	1.84E-12	PCDH15	-2.763	1.07E-16
CEACAM7	4.652	5.31E-30	DAW1	-2.763	1.43E-16
AP003390.1	4.652	3.59E-100	OSCAR	-2.761	1.08E-60
BIRC5	4.651	2.03E-274	GRK5	-2.761	1.10E-116
AC114812.1	4.650	2.38E-26	CD34	-2.758	2.27E-108
AC016723.1	4.648	1.01E-20	C8orf34	-2.758	3.44E-36
KIAA1549L	4.648	1.57E-58	SORBS1	-2.758	1.45E-70
UCA1	4.646	3.03E-44	LEPR	-2.758	3.90E-64
ADCY10	4.646	3.67E-46	CPED1	-2.757	1.50E-48
ADAM23	4.641	3.99E-54	LRP2BP	-2.756	3.10E-101
RPSAP52	4.638	2.77E-53	GRAMD2A	-2.756	2.83E-50
CENPA	4.635	0.00E+00	RSPH4A	-2.753	1.30E-26
APCDD1L	4.633	2.15E-56	KIAA2012	-2.751	7.19E-15
LINC00858	4.629	2.63E-42	LINC01827	-2.748	1.02E-11
UGT3A1	4.628	2.49E-12	SLC17A3	-2.746	1.72E-14
CKMT1B	4.625	1.17E-107	PCDH9	-2.746	6.95E-24
LINC01687	4.621	9.94E-12	G6PC2	-2.745	6.91E-08
LINC01448	4.621	1.09E-13	CALCRL	-2.745	3.43E-76
LINC01697	4.619	4.06E-31	CA1	-2.744	3.24E-29
CYP2W1	4.616	4.23E-35	DNASE1L3	-2.744	5.57E-34
SLITRK1	4.615	5.85E-15	C4orf22	-2.744	1.49E-13
KRT76	4.611	1.01E-22	LMOD1	-2.742	5.46E-53
OTX2-AS1	4.607	1.83E-19	PTH1R	-2.742	7.56E-50
UCHL1	4.606	3.32E-63	GADD45B	-2.739	8.32E-73
AC117386.2	4.604	1.81E-17	EPPIN	-2.739	1.14E-09
NCCRP1	4.602	2.82E-51	RHOBTB2	-2.739	4.63E-57
SSTR5	4.601	8.01E-20	TMEM190	-2.737	3.10E-17
PRDM9	4.599	1.52E-15	ADGRE1	-2.736	2.62E-28
FOXN1	4.596	7.48E-57	CATIP	-2.735	8.60E-32
NXPH1	4.596	2.73E-22	ANOS1	-2.735	3.76E-44
AFAP1-AS1	4.595	3.49E-32	ARMC3	-2.734	3.39E-16
OR56A3	4.594	2.37E-07	CACNA1D	-2.734	2.17E-34
FAM181B	4.588	1.82E-65	CACNA1S	-2.734	1.07E-12
LINC01629	4.586	2.62E-27	CCL15-CCL14	-2.733	1.24E-07
HJURP	4.584	0.00E+00	ATP13A4	-2.733	2.89E-26
TCAM1P	4.584	3.80E-36	SCTR	-2.731	3.97E-23
CDK5R2	4.581	1.04E-38	PPP1R17	-2.730	4.64E-15

LHFPL5	4.579	1.79E-28	FAM47E-STBD1	-2.730	3.66E-31
CT45A1	4.575	3.11E-09	LINC00211	-2.729	1.92E-22
PCDH19	4.575	3.75E-52	PRLH	-2.726	6.50E-06
ABCA9-AS1	4.572	1.42E-44	PDE2A	-2.725	4.80E-61
ANKRD18B	4.571	3.85E-75	HPGDS	-2.722	2.30E-57
TPX2	4.570	0.00E+00	WDR63	-2.720	5.73E-29
LINC01280	4.570	4.94E-23	SMIM6	-2.720	5.46E-24
LINC01964	4.570	1.06E-16	CXorf36	-2.719	2.41E-90
SORCS3	4.568	2.73E-18	NEGR1	-2.719	4.38E-38
AL033397.2	4.565	3.78E-62	ZNF366	-2.719	4.56E-56
AC091170.1	4.564	8.03E-15	HHIP-AS1	-2.717	1.01E-33
LMO1	4.551	1.63E-42	NTNG1	-2.716	7.21E-16
DCAF12L2	4.547	4.27E-26	DYNLRB2	-2.714	1.53E-25
YBX2	4.542	2.13E-69	AVPR2	-2.712	5.09E-37
NEK2	4.541	1.46E-296	LMOD3	-2.712	1.80E-51
ALOXE3	4.541	4.31E-63	DENND2A	-2.712	2.25E-68
PDCL2	4.539	2.82E-14	GIMAP6	-2.709	7.66E-62
KRT32	4.534	6.55E-42	C11orf88	-2.707	5.07E-21
HORMAD1	4.532	1.62E-37	SVEP1	-2.707	3.62E-67
NKX3-2	4.531	8.47E-59	DNAH7	-2.704	1.62E-32
STAR	4.526	1.23E-49	MIR30C2	-2.700	5.37E-30
NETO1	4.524	5.99E-56	MYO7B	-2.699	1.84E-29
FGF5	4.522	2.81E-24	TSPAN12	-2.698	1.31E-52
TDRD5	4.522	2.23E-56	SLCO2A1	-2.698	3.26E-35
TTK	4.520	8.50E-295	SLCO2A1	-2.698	3.26E-35
VCX3A	4.516	2.60E-22	SPATA4	-2.698	5.60E-18
AL606970.4	4.514	2.94E-15	CD300C	-2.697	9.45E-57
AL592486.1	4.512	5.20E-06	TBX5-AS1	-2.697	9.96E-53
CDC20	4.511	1.94E-296	ACOXL-AS1	-2.692	1.34E-55
TLX1NB	4.510	1.08E-13	RBP4	-2.690	9.83E-17
E2F7	4.506	9.19E-208	PNMA2	-2.689	2.15E-40
LINC01994	4.502	1.04E-19	SLIT2	-2.689	6.59E-50
GACAT2	4.500	6.16E-29	RHOJ	-2.688	3.18E-87
AC009123.1	4.500	7.17E-61	AOC4P	-2.686	3.77E-49
CDC45	4.490	5.59E-259	PTX3	-2.686	1.98E-21
AC083973.1	4.489	1.84E-67	CDKL2	-2.686	2.10E-42
ONECUT1	4.487	3.19E-27	CXCL3	-2.685	7.86E-30
SLC6A8	4.486	1.72E-145	SLC22A31	-2.685	3.04E-19
CLPSL2	4.484	2.98E-19	PLA2G4F	-2.681	7.29E-37
NKPD1	4.483	1.88E-83	GIMAP1	-2.680	1.22E-62
AKR1C1	4.482	3.96E-43	DUSP1	-2.680	4.57E-53
POLQ	4.481	4.16E-243	F2RL3	-2.676	2.17E-52
MELK	4.478	1.42E-222	BCL6B	-2.676	3.44E-94
NECTIN1	4.466	2.07E-179	DCDC2B	-2.672	3.94E-27
DIRAS2	4.466	2.23E-30	VTRNA1-1	-2.668	3.09E-14
UGT1A1	4.465	2.53E-38	CYP3A7	-2.667	3.82E-47
LINC00928	4.461	3.28E-27	C10orf10	-2.667	3.48E-54
HIST1H3F	4.457	2.06E-32	GRIK4	-2.666	5.82E-29
EVX2	4.457	4.91E-23	CLIC3	-2.666	1.22E-34
PART1	4.457	2.35E-40	AQP7	-2.664	3.05E-21
CASKIN1	4.456	3.02E-72	AQP7	-2.664	3.05E-21
DEPDC1	4.456	1.61E-259	FAM92B	-2.664	1.16E-18
RTP3	4.448	3.95E-16	LRRC46	-2.664	4.13E-31
TICRR	4.444	7.49E-225	AC010997.3	-2.664	6.75E-09
RHOV	4.441	4.28E-117	MIRLET7F1	-2.663	1.42E-14
GDNF	4.441	1.61E-49	PIP5K1B	-2.663	2.61E-39

LINC00520	4.439	9.54E-41	AC008878.3	-2.661	4.04E-16
KRT42P	4.438	1.88E-42	LINC01197	-2.661	1.04E-50
NUF2	4.429	6.03E-249	AC011944.1	-2.658	3.81E-29
CGB2	4.427	1.37E-12	MS4A8	-2.656	8.92E-09
GDPD2	4.427	1.05E-40	RP1	-2.656	5.90E-13
SPDYC	4.422	1.40E-18	RP1	-2.656	5.90E-13
FOXM1	4.422	1.31E-235	MACROD2	-2.656	8.18E-30
SLC6A2	4.422	7.05E-38	ITIH5	-2.656	6.01E-23
ST8SIA2	4.417	1.03E-39	LINC02197	-2.654	1.19E-06
MROH3P	4.412	8.59E-35	LINC00332	-2.653	1.45E-07
OR2B6	4.409	4.87E-35	CFAP46	-2.650	5.26E-19
MEIOB	4.400	3.43E-16	ROS1	-2.648	4.63E-20
AC087667.1	4.398	2.59E-29	LINC01836	-2.647	2.02E-36
AC114296.1	4.397	7.84E-30	TEKT2	-2.646	7.68E-22
PASD1	4.394	3.34E-11	KIAA1683	-2.644	6.19E-38
AL035425.2	4.383	3.38E-10	AHSP	-2.643	3.32E-22
LINC01605	4.383	1.38E-59	RSPH10B2	-2.641	4.87E-23
CYP4F2	4.382	1.89E-24	MYADM	-2.641	7.06E-54
PRR9	4.379	3.72E-19	ICAM1	-2.640	1.60E-38
SPP1	4.379	6.38E-62	ADAMTSL3	-2.640	4.52E-29
UGT1A4	4.376	2.24E-24	FLRT3	-2.638	2.50E-27
MUC2	4.374	1.27E-24	SCGB3A2	-2.638	6.26E-14
CCDC185	4.373	6.36E-39	KIR2DL1	-2.637	2.37E-16
LYPD8	4.371	7.58E-31	KIR2DL1	-2.637	2.37E-16
HIST1H3G	4.370	8.09E-56	KIR2DL1	-2.637	2.37E-16
ALG1L	4.369	2.03E-131	GATA6	-2.637	1.09E-55
PCDH8	4.366	5.95E-16	PTCSC3	-2.635	1.18E-22
AURKB	4.366	5.45E-248	LINC00551	-2.635	2.28E-23
TP53AIP1	4.365	1.66E-40	EFHB	-2.632	1.93E-30
HIST1H3J	4.362	2.08E-34	FAM184A	-2.632	2.63E-39
FOXE3	4.359	3.28E-24	DNAH10	-2.632	1.09E-28
PTH2R	4.359	7.96E-31	CCL16	-2.630	6.35E-24
LINC02301	4.358	1.96E-13	UNC45B	-2.629	1.65E-19
UGT2B28	4.354	6.41E-16	MIR3131	-2.627	3.74E-05
HRG	4.352	7.54E-29	OMG	-2.626	1.58E-23
KCNQ5-IT1	4.351	1.29E-26	OMG	-2.626	1.58E-23
CDKN2A	4.350	2.44E-48	SIGLEC16	-2.626	2.97E-43
FGF4	4.340	1.31E-05	SCN2B	-2.625	1.11E-25
AC099520.1	4.331	6.69E-18	GNA14	-2.624	3.57E-38
KRT38	4.331	3.49E-18	KLF17	-2.624	1.15E-36
KIF14	4.330	3.01E-243	PRSS57	-2.622	1.21E-17
LINC00051	4.327	2.88E-14	SLC8A3	-2.621	5.61E-24
ARNTL2-AS1	4.321	2.80E-29	AC005736.1	-2.620	1.56E-38
BNC1	4.320	2.31E-59	MIR4530	-2.620	3.65E-11
EXO1	4.313	4.94E-288	AKAP14	-2.619	3.04E-12
WFDC5	4.312	2.31E-40	CADM1	-2.617	3.23E-39
AL161908.1	4.303	1.86E-16	MMP19	-2.615	2.33E-42
SERPINB2	4.299	1.89E-35	AC013275.1	-2.615	4.23E-17
OR5M11	4.298	5.01E-22	ACE	-2.611	2.05E-85
OR11H4	4.296	1.11E-13	KDR	-2.610	8.12E-73
RIPPLY2	4.296	2.77E-23	CMA1	-2.609	4.41E-22
LINC00557	4.294	4.90E-18	LINC00982	-2.609	2.32E-27
CST8	4.294	4.59E-12	DYDC1	-2.608	2.70E-12
SYT12	4.290	6.05E-54	PTGDS	-2.608	4.45E-31
SSTR5-AS1	4.289	1.09E-17	LINC02231	-2.607	2.09E-05
OSTM1-AS1	4.288	9.34E-14	TMEM236	-2.605	5.23E-49

CGB8	4.285	1.14E-11	F10	-2.605	1.75E-45
MORC1	4.283	8.37E-10	AZU1	-2.604	4.76E-32
AL589740.1	4.280	6.10E-17	RPS6KA2	-2.602	8.08E-80
SIX2	4.277	2.29E-57	LINC00840	-2.601	2.15E-19
LINC01752	4.275	6.90E-55	LINC00840	-2.601	2.15E-19
LINC00601	4.272	4.65E-18	SMCO3	-2.601	3.68E-61
MCHR2	4.268	4.90E-17	MBL1P	-2.598	3.09E-35
FOXH1	4.268	4.21E-42	EFCAB12	-2.597	3.54E-29
AL513318.2	4.267	1.26E-53	LIPN	-2.596	1.69E-22
CTSV	4.266	3.90E-105	MIR8083	-2.596	1.40E-04
CHGB	4.265	6.12E-35	ALPL	-2.596	6.28E-32
FERMT1	4.261	1.31E-152	SLC16A12	-2.594	3.03E-22
XAGE5	4.256	4.95E-06	KCNIP1	-2.594	2.27E-30
DDX53	4.256	4.32E-07	AC091806.1	-2.594	2.01E-33
SPANXC	4.252	2.49E-06	MIR126	-2.591	1.48E-17
ROPN1	4.249	8.08E-15	WFDC1	-2.591	2.01E-54
GAD1	4.249	1.12E-58	DAPK2	-2.589	1.32E-61
LHX3	4.249	6.25E-14	MIR34C	-2.588	6.78E-10
LINC00470	4.245	1.19E-32	KANK2	-2.588	4.07E-108
LINC02418	4.242	2.29E-08	AC090001.1	-2.587	1.36E-14
HPDL	4.239	1.30E-77	DRAM1	-2.586	1.69E-75
LINC01451	4.237	1.70E-61	GPER1	-2.586	1.69E-47
LINC02444	4.237	7.05E-16	PPP1R42	-2.586	3.50E-16
CKMT1A	4.232	1.10E-88	BMP5	-2.585	1.54E-17
KIF4A	4.228	0.00E+00	TARID	-2.584	3.58E-21
HOXC8	4.228	2.04E-63	DPP6	-2.584	9.41E-13
AL035425.1	4.227	1.95E-23	CLEC1B	-2.583	3.05E-29
NWD2	4.227	3.47E-23	LINC01168	-2.582	2.58E-09
RAD54L	4.224	8.90E-281	NR0B2	-2.579	3.66E-09
CRABP2	4.221	5.44E-64	RAI2	-2.578	2.61E-63
TOP2A	4.220	6.58E-220	CNTN4-AS1	-2.577	2.30E-11
MAGEB16	4.220	7.49E-05	MMRN2	-2.576	2.04E-65
PABPC1L2A	4.219	1.02E-07	DAO	-2.576	3.86E-23
GLYATL3	4.219	5.57E-06	GPR182	-2.576	2.00E-54
LINC01133	4.219	2.32E-40	FOLR3	-2.575	1.94E-13
AL138902.1	4.217	4.13E-42	CPM	-2.574	1.93E-35
HOXC-AS1	4.214	3.28E-41	TCTEX1D4	-2.574	3.54E-21
BUB1B	4.213	5.87E-286	MIR34B	-2.573	1.16E-06
GALNT14	4.213	4.25E-82	ADH1A	-2.573	6.15E-26
SLC7A11	4.212	2.29E-54	CIB4	-2.573	1.77E-17
LINC01995	4.212	1.29E-15	GPR146	-2.573	5.08E-104
LINC02443	4.207	1.97E-28	CFTR	-2.572	3.77E-21
AL157400.2	4.207	9.54E-28	PROK2	-2.571	1.36E-19
HRASLS	4.204	4.99E-62	LRRC52	-2.571	4.07E-12
NEIL3	4.204	8.65E-159	NEK5	-2.569	4.76E-40
CTD-2194D22.4	4.204	6.88E-15	NAV2-AS2	-2.568	4.06E-19
SYT5	4.203	5.37E-34	JAML	-2.568	8.04E-50
LINC01491	4.203	1.66E-10	DNAAF1	-2.566	5.51E-21
CSN1S1	4.200	7.41E-06	PID1	-2.566	2.56E-46
KIF2C	4.200	0.00E+00	TCTEX1D1	-2.565	3.43E-34
LINC01192	4.195	2.31E-13	PCDHAC2	-2.563	9.42E-29
VTCN1	4.186	1.67E-43	SORBS2	-2.563	1.46E-36
DLGAP5	4.186	3.97E-258	NR3C2	-2.563	5.03E-35
LINP1	4.186	4.02E-31	C1orf189	-2.562	2.07E-15
LINC01475	4.184	2.97E-13	CCL2	-2.562	4.28E-35
MIR31HG	4.178	4.60E-29	TNS2	-2.561	1.30E-116

PLPP4	4.177	2.38E-73	TOGARAM2	-2.561	4.17E-32
PNLIPRP3	4.174	1.23E-12	FZD4	-2.561	5.09E-87
GSDMC	4.170	1.19E-74	CCL24	-2.557	1.30E-22
C1QL1	4.166	8.47E-53	ERG	-2.556	1.10E-84
ANLN	4.164	2.47E-247	NME5	-2.555	7.59E-23
CDCA3	4.156	5.23E-249	LRP2	-2.554	1.66E-16
C12orf54	4.155	8.64E-48	ATP10A	-2.551	1.27E-42
EPYC	4.153	4.47E-31	CELF2	-2.551	1.88E-54
TDRG1	4.149	8.17E-14	MAB21L2	-2.551	7.88E-25
BMP7	4.146	1.09E-81	ITIH3	-2.551	1.31E-43
LINC01193	4.145	9.53E-06	HMGCLL1	-2.549	3.41E-19
DMRT3	4.144	5.91E-38	NCBP2L	-2.548	4.96E-12
TMEM40	4.144	5.92E-91	LINC02330	-2.547	2.45E-03
CAPN14	4.143	1.01E-43	SLC22A10	-2.546	3.09E-22
REG1A	4.141	3.72E-19	RXFP1	-2.545	6.91E-21
ASPM	4.141	1.55E-226	LINC02104	-2.545	4.77E-32
CT45A3	4.141	1.28E-08	DYDC2	-2.545	7.62E-19
PBK	4.141	1.11E-185	NKX2-1-AS1	-2.545	5.14E-14
SKA1	4.141	1.09E-231	PRDM16	-2.543	5.25E-29
SLC9A2	4.139	1.48E-52	ROPN1L	-2.540	1.06E-18
MIR4653	4.135	2.67E-68	C1orf162	-2.539	1.13E-59
LINC01592	4.135	9.44E-23	HECW2	-2.539	4.52E-97
DEPDC1B	4.132	1.37E-210	FGF10-AS1	-2.539	1.17E-07
RAD51AP2	4.131	8.00E-58	SGCG	-2.538	2.06E-16
AC006450.3	4.130	5.35E-14	GIMAP7	-2.537	1.28E-51
RHBG	4.130	7.10E-43	FRY	-2.536	1.02E-58
DUXAP10	4.127	1.06E-55	MASP1	-2.535	1.57E-22
FGF11	4.124	4.61E-84	ECT2L	-2.535	3.18E-26
COCH	4.124	1.99E-49	CFAP61	-2.532	3.78E-24
HIST1H2BM	4.122	4.83E-24	TTLL6	-2.532	3.97E-12
RASAL1	4.122	2.11E-101	ALKAL2	-2.528	3.66E-23
ONECUT2	4.121	2.84E-60	ATP8A1	-2.528	8.81E-42
CDIPT-AS1	4.116	2.20E-50	KNDC1	-2.528	5.70E-22
SOX21-AS1	4.113	3.24E-65	ATP13A4-AS1	-2.525	2.48E-08
POU3F1	4.113	7.65E-41	AC097059.1	-2.524	5.11E-10
LINC01842	4.113	5.73E-34	TMEM232	-2.523	8.66E-28
OR1F1	4.111	3.20E-16	ADCY4	-2.523	1.09E-77
TMEM151B	4.108	2.16E-40	DAAM2	-2.522	9.28E-54
LINC00887	4.105	2.82E-51	HRCT1	-2.522	2.14E-23
BARX2	4.101	2.96E-42	CDHR3	-2.517	4.28E-28
CENPF	4.100	8.22E-220	VTN	-2.516	7.42E-30
PKMYT1	4.099	8.00E-226	SERPINA1	-2.515	1.32E-25
FGF3	4.099	6.71E-06	GCSAML	-2.514	1.43E-31
IL19	4.089	1.76E-22	LINC02126	-2.514	2.98E-27
LINC01564	4.083	2.66E-48	C1QTNF2	-2.510	3.34E-57
PYY2	4.083	2.54E-34	COL6A5	-2.509	2.58E-23
KRT20	4.080	6.37E-19	SIGLEC17P	-2.508	4.04E-44
POU3F3	4.077	2.56E-11	ICAM2	-2.507	6.40E-57
WNK2	4.073	3.68E-70	CD300LF	-2.507	1.64E-44
CCNB2	4.072	4.41E-289	GLIPR2	-2.507	1.30E-80
B4GALNT1	4.070	3.85E-68	LINC00930	-2.507	2.08E-13
SSX1	4.068	2.76E-10	AHCYL2	-2.507	1.01E-81
ISL1	4.066	1.67E-21	LINC02265	-2.507	6.14E-22
STRA6	4.065	2.13E-57	HEMGN	-2.506	2.68E-14
LECT2	4.064	2.97E-12	AC021546.1	-2.506	1.73E-18
AL356479.1	4.061	7.97E-20	TSHB	-2.505	1.76E-14

TRIM43	4.060	3.16E-08	CYP17A1	-2.504	3.20E-37
LINC00645	4.057	1.06E-22	PRR29	-2.503	1.79E-34
IAPP	4.057	2.07E-19	INSC	-2.503	1.04E-22
HDGFL1	4.057	2.87E-12	FAM167A	-2.503	2.00E-25
CDC6	4.055	6.88E-247	AKAP12	-2.501	3.08E-35
CEP55	4.053	1.42E-236	C9orf152	-2.501	4.60E-20
AC022075.1	4.053	2.82E-88	CD55	-2.501	1.62E-68
AC116565.1	4.052	1.01E-10	WFIKKN2	-2.501	2.80E-16
CDC25C	4.051	1.84E-208	SH3GL2	-2.501	1.62E-11
BTBD11	4.050	1.35E-93	KCNB1	-2.499	2.04E-17
PSG9	4.050	2.12E-15	STARD9	-2.499	1.72E-59
MCM10	4.050	2.43E-224	AC096637.2	-2.498	1.94E-18
LOR	4.047	4.47E-18	METTL21C	-2.498	2.40E-19
TDRD12	4.043	2.58E-26	SCN4B	-2.498	1.52E-34
PCAT7	4.042	1.04E-76	AL157895.1	-2.494	3.66E-36
TRIM49B	4.042	7.82E-06	CTSG	-2.493	4.73E-21
OR6C2	4.041	6.29E-12	WIF1	-2.493	8.01E-09
NCAPH	4.036	7.99E-286	LILRA5	-2.493	1.58E-38
FOXB2	4.025	1.20E-07	HBG1	-2.493	1.43E-03
MAGEA2	4.022	3.43E-10	FAM13C	-2.491	7.93E-55
AP003063.1	4.021	3.73E-22	AC243772.3	-2.488	2.50E-32
PIMREG	4.020	1.27E-184	SULT1A2	-2.488	5.89E-26
AC006262.1	4.019	3.43E-52	AP001094.3	-2.488	7.79E-12
DUSP13	4.017	6.36E-33	ADGRE5	-2.487	3.72E-73
LINC02128	4.015	4.21E-15	SLC11A1	-2.486	3.09E-53
LINC02128	4.015	4.21E-15	TEKT4	-2.485	2.85E-18
KLK12	4.013	8.48E-23	AC134312.1	-2.485	3.57E-22
CBLC	4.012	6.91E-142	C22orf15	-2.484	5.50E-23
CCDC140	4.012	1.03E-05	KCNA4	-2.483	2.30E-07
COL6A4P1	4.011	1.30E-57	ASB11	-2.480	8.90E-22
C1QTNF12	4.009	8.99E-49	CACNG6	-2.480	4.35E-10
LCE1E	4.004	1.26E-16	PZP	-2.479	1.00E-17
LINC00511	4.004	2.87E-158	AL157955.2	-2.479	3.26E-16
LINC00511	4.004	2.87E-158	KIR2DS4	-2.477	2.91E-13
MIR196A1	3.999	1.26E-13	ABCA9	-2.475	8.69E-55
NIPAL4	3.999	2.91E-38	CYYR1	-2.475	1.53E-61
PLK1	3.996	3.82E-289	RASL12	-2.472	2.84E-68
ERCC6L	3.996	5.47E-194	PRELP	-2.470	4.99E-32
CKAP2L	3.995	1.92E-261	TEKT3	-2.470	1.44E-36
CNTNAP4	3.994	4.88E-21	ZFP36	-2.470	1.91E-51
CXCL14	3.993	1.80E-43	KCNH6	-2.469	1.83E-18
LINC01977	3.992	2.33E-48	AC096564.1	-2.468	4.17E-38
OR7E91P	3.991	8.11E-41	ITGA10	-2.468	1.49E-53
NTSR2	3.988	5.89E-13	FPR1	-2.467	6.57E-34
AC010967.1	3.985	1.74E-09	DOK2	-2.466	8.94E-54
ORC6	3.983	1.28E-243	LMO7DN	-2.466	7.39E-26
RDM1	3.983	4.45E-93	APOLD1	-2.466	2.29E-72
KCNK9	3.982	6.77E-37	FOS	-2.466	4.51E-34
AL391427.1	3.982	4.89E-35	LINC01919	-2.464	7.50E-10
FRRS1L	3.978	1.03E-26	PTPRM	-2.462	1.37E-65
TINAG	3.977	1.29E-10	NOTCH4	-2.461	1.59E-71
NR5A1	3.977	1.61E-21	SLC5A4	-2.459	4.81E-26
CNBD1	3.968	8.60E-16	TMEM150B	-2.455	1.88E-40
C16orf59	3.968	1.08E-207	ABCB1	-2.455	2.31E-40
FOXD1	3.968	4.26E-75	MS4A3	-2.455	7.92E-13
ALDH3A1	3.966	4.27E-28	TRPC2	-2.454	5.96E-32

LINC01087	3.960	2.15E-11	FO393415.1	-2.454	3.15E-18
SALL4	3.959	1.58E-73	DTHD1	-2.453	1.17E-20
FGF21	3.955	3.25E-14	AL160191.1	-2.453	3.16E-08
GINS1	3.952	1.10E-245	CCRL2	-2.453	5.83E-50
KRTAP17-1	3.948	3.97E-09	MYL3	-2.452	1.80E-36
HR	3.947	3.19E-59	CSF3R	-2.451	5.23E-33
SKA3	3.946	1.50E-241	NCMAP	-2.450	8.17E-32
CDCA5	3.945	0.00E+00	PPP1R14A	-2.448	3.85E-44
ZMAT4	3.944	1.84E-19	STARD13	-2.448	2.32E-63
KCNH1	3.942	2.33E-35	PEAR1	-2.447	7.46E-59
CHODL	3.941	3.01E-57	LRRC74B	-2.447	1.52E-11
LINC01446	3.941	9.92E-11	C5AR1	-2.445	1.57E-53
MEX3A	3.938	1.01E-91	TTC16	-2.445	1.36E-27
PRB3	3.929	4.12E-53	FAM189A1	-2.445	9.61E-18
LINC02382	3.928	1.16E-10	SPNS2	-2.445	2.85E-49
PNLDC1	3.927	3.78E-21	ERVFRD-1	-2.444	3.25E-17
PAH	3.926	1.88E-23	FGR	-2.443	3.84E-54
EFNA3	3.924	4.39E-137	HMGCS2	-2.443	5.61E-07
MELTF	3.922	6.61E-90	LDB3	-2.443	9.48E-55
KRTAP2-3	3.922	1.05E-12	RPL23AP32	-2.443	4.84E-33
C1orf61	3.922	1.42E-30	STOML3	-2.441	2.50E-12
IFNE	3.921	2.23E-23	MAG	-2.437	2.24E-10
SERPINA12	3.919	5.92E-15	ARMC4	-2.433	1.26E-15
RCOR2	3.917	2.01E-71	SOD3	-2.433	2.23E-41
PSG6	3.916	9.17E-09	LINC01290	-2.433	9.58E-61
MSI1	3.912	2.52E-55	MIR6124	-2.432	7.26E-15
DBX1	3.910	9.55E-10	ENG	-2.432	3.59E-84
IFNL4	3.909	2.83E-12	IL3RA	-2.429	6.54E-87
PTPRH	3.907	1.51E-57	IL3RA	-2.429	6.54E-87
RALYL	3.902	5.33E-11	SIGLEC6	-2.427	2.10E-27
LINC02293	3.900	9.19E-10	MS4A6E	-2.427	1.56E-13
THEG	3.896	6.81E-25	JPH4	-2.426	3.47E-24
LINC01549	3.896	2.89E-17	MGP	-2.426	2.65E-36
NPW	3.894	1.09E-41	C14orf132	-2.424	1.43E-40
GTSE1	3.893	1.31E-240	LINC01732	-2.424	5.27E-14
LINC02003	3.892	5.94E-23	CXCR2	-2.421	4.13E-22
CT45A5	3.892	3.27E-07	LINC00671	-2.421	2.73E-29
LINC01561	3.890	1.30E-32	LINC01908	-2.421	4.33E-09
DSP	3.888	9.64E-150	AK1	-2.419	3.35E-108
OGDHL	3.884	5.69E-48	GATA1	-2.419	5.00E-51
GBX2	3.882	2.08E-32	CITED2	-2.417	2.50E-65
RRM2	3.881	1.82E-198	FABP3	-2.416	1.92E-51
FEZF2	3.876	1.96E-05	CCDC13	-2.414	1.13E-41
IBSP	3.875	8.81E-49	SEL1L2	-2.414	1.41E-13
BEST3	3.874	2.25E-17	LINC00924	-2.413	2.18E-30
LINC02156	3.873	3.35E-29	FLT4	-2.413	6.60E-70
HIST1H3C	3.873	2.25E-27	ABCC6	-2.411	2.55E-50
LINC01905	3.873	5.64E-33	RD3	-2.408	1.85E-17
CDHR1	3.866	7.76E-49	ARHGAP29	-2.408	2.28E-43
LINC01405	3.865	1.97E-12	CLEC12A	-2.408	2.73E-30
CCNE1	3.864	3.45E-138	GRASP	-2.408	6.41E-45
AL731897.1	3.861	5.22E-05	CFAP161	-2.407	3.54E-28
KRTAP3-1	3.859	1.10E-14	AC092384.1	-2.407	5.30E-38
XRCC2	3.857	2.50E-200	LMO7DN-IT1	-2.407	2.89E-19
KCNJ18	3.855	1.74E-10	ST6GALNAC5	-2.407	5.71E-51
NELL1	3.854	1.35E-18	UBXN10	-2.405	8.23E-20

UHRF1	3.853	6.49E-203	REN	-2.405	2.83E-27
TMPRSS15	3.852	2.32E-18	LILRA2	-2.404	4.83E-32
KRT23	3.851	3.75E-28	NTRK3	-2.402	7.58E-17
SYCP1	3.848	1.59E-09	RORC	-2.402	5.47E-19
ASIC5	3.845	4.85E-18	OR1L8	-2.401	8.85E-38
SPANXD	3.845	2.69E-04	APOA5	-2.400	8.22E-12
PAX1	3.844	1.42E-16	NXF3	-2.395	7.33E-14
HIST1H2AI	3.842	9.22E-53	CYP27A1	-2.395	5.56E-41
HIST1H2BO	3.839	8.32E-41	NR5A2	-2.393	2.69E-59
SOX14	3.833	5.12E-07	AC004540.2	-2.392	3.25E-20
DEPDC1-AS1	3.831	1.13E-31	TRPV2	-2.391	1.49E-64
CCNA2	3.831	2.72E-224	EFR3B	-2.391	1.67E-29
CDCA2	3.828	3.30E-204	GPRIN2	-2.389	3.36E-30
HOXD-AS2	3.828	1.84E-38	CYBRD1	-2.388	1.37E-69
AC138356.3	3.828	7.13E-11	SLC24A5	-2.387	1.46E-10
LMX1B	3.825	2.76E-29	RANBP3L	-2.385	5.33E-24
HIST1H2BF	3.825	9.86E-42	DENND3	-2.383	4.26E-59
LINC02241	3.824	1.43E-11	ENKUR	-2.382	4.08E-22
CDCA8	3.824	7.67E-232	DCSTAMP	-2.382	4.82E-22
CCNYL2	3.819	1.43E-22	STXBP6	-2.381	1.00E-24
KLK2	3.817	3.18E-19	FGF18	-2.380	4.20E-24
GDNF-AS1	3.813	6.83E-28	DNALI1	-2.380	1.81E-21
AC023886.1	3.813	5.50E-12	MED4-AS1	-2.379	7.59E-53
LINC01416	3.812	1.14E-19	TM4SF18	-2.378	2.03E-51
CHP2	3.811	4.73E-25	CCDC69	-2.376	1.25E-53
KRT35	3.811	2.56E-11	OVCH2	-2.375	6.56E-19
HS3ST4	3.811	1.63E-13	CD101	-2.372	5.36E-75
44086	3.808	2.21E-20	FAM124B	-2.372	5.19E-48
CPLX2	3.806	7.93E-14	LINC01031	-2.367	2.10E-23
SH3PXD2A-AS1	3.803	1.01E-44	CORO2B	-2.364	2.84E-32
SLC38A11	3.798	6.06E-21	C10orf128	-2.363	1.70E-49
FIRRE	3.796	2.73E-63	ITM2A	-2.361	2.24E-38
SLC30A10	3.789	4.35E-23	MGAT4D	-2.359	6.88E-07
AC002076.1	3.789	3.08E-37	CFAP100	-2.359	7.99E-15
CCL26	3.786	9.50E-49	S1PR4	-2.358	8.72E-42
CREG2	3.782	3.92E-50	ANXA3	-2.356	5.32E-34
EMILIN3	3.782	1.05E-32	DRC1	-2.355	2.63E-13
AADACL2	3.780	1.15E-20	SH2D4B	-2.355	5.40E-34
NDC80	3.780	8.11E-209	P2RY14	-2.355	1.17E-49
OR7C1	3.780	4.35E-23	LMNTD1	-2.354	5.83E-11
APCDD1L-AS1	3.779	2.90E-29	FAT4	-2.354	2.91E-34
LINC02208	3.777	9.03E-17	MIR596	-2.353	1.44E-05
SOHLH2	3.765	1.68E-26	GIMAP5	-2.352	1.56E-37
LINC02561	3.756	4.91E-32	NEK10	-2.352	1.03E-22
LCE2B	3.755	4.80E-05	ABCC6P1	-2.351	3.59E-22
UBE2T	3.755	1.56E-212	NTN4	-2.350	4.20E-44
LINC02269	3.754	4.41E-13	GLOD5	-2.350	4.98E-24
TEX15	3.750	2.93E-20	SLC9A3R2	-2.350	1.20E-84
GRM5-AS1	3.748	7.94E-16	BMP2	-2.348	6.38E-31
IQGAP3	3.747	3.60E-180	AC007663.2	-2.348	2.08E-18
KISS1R	3.747	5.16E-41	MIR645	-2.344	3.55E-21
RAPGEFL1	3.746	6.93E-80	LINC01506	-2.343	1.43E-19
TRIM49	3.746	7.22E-06	SYT4	-2.343	7.91E-05
T	3.746	1.05E-09	MIR8089	-2.342	4.89E-03
HTR3A	3.739	1.20E-26	AC012349.1	-2.340	2.37E-11

LINC00941	3.738	1.22E-40	CFAP58	-2.340	1.22E-27
LINC01971	3.735	5.89E-24	MGLL	-2.340	1.06E-45
RGS20	3.734	8.61E-56	DOCK4	-2.338	1.30E-78
ZNF488	3.732	1.19E-73	CMTM5	-2.335	2.29E-15
LINC01968	3.732	4.37E-28	GUCA2B	-2.335	5.21E-05
C11orf87	3.729	9.15E-19	KCNE1B	-2.333	1.47E-14
GABRP	3.721	3.38E-24	AP002954.1	-2.333	7.18E-27
TMEM171	3.719	1.66E-82	BCRP3	-2.332	1.65E-35
VIL1	3.719	2.61E-21	CAPN8	-2.332	1.25E-14
CST9	3.716	1.53E-10	KLHL41	-2.331	1.91E-33
LINC00403	3.716	1.79E-05	VTRNA1-3	-2.329	2.72E-07
AC106772.1	3.713	1.24E-22	F11-AS1	-2.328	2.79E-10
OR56A5	3.712	2.29E-13	CROCC2	-2.327	1.46E-13
CST11	3.710	1.54E-14	PRICKLE2-AS2	-2.327	2.38E-14
FSD1	3.709	8.79E-49	CEACAM21	-2.326	1.27E-39
CAMK2N2	3.708	1.54E-53	ACSS3	-2.326	6.32E-31
RNF222	3.708	1.12E-30	CPA3	-2.325	9.16E-28
HIST1H2AJ	3.708	1.03E-22	S100A4	-2.323	3.69E-56
MIR548Z	3.706	3.47E-07	PPIL6	-2.321	4.71E-34
CDH3	3.705	4.81E-80	LHX9	-2.320	7.21E-14
ESX1	3.699	7.91E-06	AL662860.1	-2.320	1.14E-16
KCNA7	3.698	3.72E-35	FCAR	-2.320	5.88E-22
MGAT4EP	3.697	3.71E-31	AL592103.1	-2.319	2.34E-15
ECEL1	3.697	3.21E-29	LINC00113	-2.318	1.81E-06
GINS2	3.696	1.47E-166	CFAP74	-2.318	8.80E-16
OVOL1	3.696	3.14E-74	CABLES1	-2.318	4.48E-48
HHIPL2	3.696	2.46E-25	ADAMTSL4	-2.314	1.94E-29
SGO1	3.694	2.24E-212	MIR146B	-2.313	2.77E-12
PRSS1	3.694	1.16E-21	PAPSS2	-2.312	5.19E-36
AC108868.2	3.691	5.53E-04	LINC02206	-2.310	2.55E-13
F12	3.691	2.67E-102	FLI1	-2.310	2.41E-54
LINC01254	3.689	9.06E-12	TTTY16	-2.309	6.98E-07
C11orf86	3.689	3.42E-09	RNASE4	-2.308	3.48E-62
HIST1H2BG	3.686	9.69E-63	LRRC10B	-2.308	1.53E-14
EPN3	3.686	1.14E-131	SPRY4	-2.307	2.36E-65
ELFN1-AS1	3.685	1.14E-24	MS4A14	-2.306	2.76E-36
GUCA1A	3.681	1.05E-37	FLVCR2	-2.306	1.10E-54
CAGE1	3.679	2.62E-50	VIP	-2.306	6.18E-23
RECQL4	3.677	7.27E-175	CMTM2	-2.304	1.01E-25
CDT1	3.676	2.02E-209	SPEF1	-2.303	2.44E-20
OLIG3	3.676	2.60E-04	ABCA6	-2.303	4.52E-41
CT55	3.673	7.68E-10	LIFR	-2.302	3.35E-28
LINC00704	3.672	1.24E-30	ACSM5	-2.300	1.55E-25
KIRREL2	3.671	2.08E-26	TMEM163	-2.300	1.14E-29
IFNL2	3.670	1.76E-12	SHISA3	-2.300	1.45E-12
PAX9	3.670	1.78E-54	SLCO2B1	-2.299	3.05E-34
DDN	3.670	5.87E-58	TMEM204	-2.298	3.11E-67
SERPINA11	3.670	3.71E-20	SAXO2	-2.297	6.91E-22
HOXC9	3.670	1.48E-47	SCIMP	-2.293	1.27E-33
PRB1	3.669	3.40E-06	ABLIM3	-2.293	5.04E-34
TUBB2B	3.669	3.66E-31	NKAPL	-2.292	5.92E-31
AUNIP	3.669	4.38E-206	ANKRD29	-2.291	7.46E-31
HTN1	3.667	2.58E-07	CD300E	-2.289	1.24E-30
TRIM48	3.666	6.56E-05	FAM166B	-2.289	1.57E-19
NLRP10	3.664	6.40E-14	CASC1	-2.289	9.39E-23
TGM3	3.661	1.61E-19	LRRIQ1	-2.288	2.24E-19

VPS9D1-AS1	3.659	4.92E-105	TLR8-AS1	-2.287	1.58E-10
GPHB5	3.653	3.29E-05	KIR2DL3	-2.287	9.61E-15
TRIP13	3.652	6.85E-185	MNDA	-2.287	3.70E-36
AP001453.2	3.650	6.35E-74	PLCXD3	-2.286	3.58E-15
FAM83D	3.649	2.47E-142	LILRA1	-2.285	1.81E-42
HTR3B	3.647	5.50E-11	AKAP4	-2.284	8.52E-05
TRDN	3.645	5.19E-18	CBLN4	-2.282	2.15E-12
MAP7D2	3.643	5.99E-41	HMCN2	-2.280	1.53E-25
LCE1A	3.640	4.70E-05	LINC02289	-2.280	4.68E-27
LINC01213	3.640	9.00E-14	ACOX2	-2.280	1.65E-39
LAMA1	3.636	4.99E-37	SFRP5	-2.277	5.59E-10
TBX18	3.634	9.75E-36	TLR8	-2.276	7.47E-26
FST	3.632	1.47E-51	USP44	-2.274	1.53E-34
LINC01711	3.631	9.91E-36	SCARF1	-2.274	1.71E-72
NCAPG	3.631	4.85E-233	ST6GALNAC3	-2.271	5.89E-31
GSC2	3.630	2.03E-11	KLF15	-2.271	6.97E-31
NEUROG1	3.630	2.67E-10	C7orf57	-2.270	2.68E-17
MYO3B	3.628	1.55E-33	CTSH	-2.270	4.34E-43
DIRC1	3.626	3.22E-22	TRPC3	-2.269	4.05E-35
HIST1H2AM	3.624	2.37E-41	IGSF10	-2.269	7.81E-24
MLIP-IT1	3.624	1.64E-24	GYPC	-2.268	4.54E-45
MAST1	3.624	2.46E-66	HGF	-2.267	1.33E-25
SLC9A3	3.622	4.98E-37	MAGI2-AS3	-2.267	1.41E-47
WTAPP1	3.618	3.75E-48	SLC14A1	-2.267	2.44E-11
KIF23	3.615	2.69E-286	CCDC178	-2.266	8.16E-14
BECN2	3.615	1.59E-14	LINC01625	-2.266	1.03E-15
CSN2	3.614	2.61E-05	KCTD16	-2.262	3.61E-24
CCNB1	3.614	2.72E-228	SNX25	-2.260	1.83E-125
NEUROD2	3.609	2.21E-23	WDR78	-2.259	2.25E-31
LINC01250	3.608	6.42E-14	NTM-AS1	-2.257	1.26E-04
LRRC38	3.606	1.21E-18	ITGA9	-2.257	1.52E-40
GSTM1	3.605	4.65E-14	NHLRC4	-2.257	7.62E-31
INSM1	3.604	4.35E-16	CD69	-2.256	2.09E-28
LINC02475	3.603	1.72E-17	FCER1A	-2.255	5.49E-18
C15orf59-AS1	3.601	1.87E-17	ANO5	-2.253	4.60E-20
AL596223.1	3.600	5.43E-13	ENPP2	-2.251	5.48E-38
HIST1H2AE	3.600	9.77E-57	RBMS3	-2.251	1.60E-60
LINC00640	3.597	5.08E-54	RBMS3	-2.251	1.60E-60
HIST1H2AD	3.596	2.16E-50	AC187653.1	-2.250	2.75E-03
LINC01162	3.595	2.87E-06	AQP9	-2.250	4.66E-26
TESMIN	3.594	2.61E-88	PDZD2	-2.249	3.37E-22
MYO18B	3.593	3.20E-24	HPR	-2.249	4.16E-10
ATP10B	3.593	7.01E-44	MEF2C-AS1	-2.248	1.19E-29
RPL39L	3.592	8.38E-98	SELPLG	-2.246	6.38E-46
DSPP	3.592	1.51E-21	SLC22A3	-2.246	1.16E-17
CDKN3	3.592	3.13E-150	TTC25	-2.242	5.25E-31
MC3R	3.591	3.72E-07	LHFPL3-AS1	-2.238	5.40E-08
C7orf33	3.591	2.04E-07	DNAH6	-2.238	2.72E-17
OTOP1	3.589	1.76E-07	SECISBP2L	-2.238	6.61E-152
PRR27	3.588	1.71E-04	TNFRSF10C	-2.237	1.90E-33
AC002463.1	3.588	5.40E-06	PRKCE	-2.236	6.33E-119
TMEFF1	3.583	3.30E-25	RGS13	-2.232	2.68E-19
XDH	3.582	7.16E-56	WFS1	-2.231	1.47E-110
RGSL1	3.577	2.04E-15	GATA5	-2.230	3.39E-14
LINC00488	3.577	5.57E-06	ATP11A	-2.230	3.99E-56
LINC02111	3.577	1.64E-12	AC016910.1	-2.230	5.00E-27

PRC1	3.576	1.50E-246	RGS5	-2.229	3.21E-45
ESPL1	3.574	3.47E-205	STAB2	-2.228	3.70E-28
SYT13	3.574	8.80E-23	SMIM9	-2.228	8.27E-09
PCLAF	3.568	3.05E-149	MYLK3	-2.227	1.63E-22
KIF20A	3.568	1.62E-200	KLF9	-2.226	2.58E-57
OLFM3	3.567	4.40E-09	RGS7BP	-2.225	3.64E-19
EME1	3.567	1.59E-172	GIPC2	-2.225	4.54E-19
CCDC144NL	3.566	2.90E-12	PRTG	-2.225	5.59E-19
LINC01320	3.560	3.28E-09	TSPAN19	-2.223	2.18E-07
LINC01320	3.560	3.28E-09	PTGIS	-2.223	4.94E-28
AFP	3.558	7.18E-17	PDLIM2	-2.222	8.20E-89
TRPM8	3.555	6.43E-34	DHH	-2.221	1.01E-32
KCNV1	3.552	1.25E-13	APOBR	-2.221	1.06E-46
KRT81	3.552	8.21E-30	KCNK17	-2.220	9.37E-25
ESCO2	3.549	4.82E-162	PLEKHH2	-2.220	8.10E-40
SPC24	3.548	6.46E-183	HLA-DRB6	-2.219	5.63E-26
FAM155B	3.548	6.80E-46	CYR61	-2.219	1.75E-36
SRRM3	3.547	4.57E-81	FRMPD2	-2.219	6.93E-11
AC016044.1	3.546	3.60E-07	MEOX2	-2.219	4.76E-26
IGFL2	3.543	1.08E-33	DUXA	-2.219	3.04E-06
CGREF1	3.543	1.59E-57	AC123595.1	-2.218	1.39E-32
SPZ1	3.540	3.00E-09	HLA-DRB5	-2.218	1.42E-24
DMRT2	3.539	1.71E-31	PDE1B	-2.217	7.59E-54
ABCC5	3.537	4.27E-76	SLC18A2	-2.217	2.59E-35
MND1	3.537	1.77E-176	LINC00890	-2.217	3.34E-09
GOLGA6L6	3.536	1.11E-07	SLC5A8	-2.217	4.53E-09
KRT82	3.536	1.05E-17	NEDD9	-2.215	5.30E-50
AL136088.1	3.534	1.59E-11	TM6SF1	-2.214	1.52E-45
LINC01429	3.533	2.26E-18	KIF17	-2.213	6.51E-47
MRGPRX1	3.532	1.92E-03	LINC00472	-2.213	2.88E-31
MKI67	3.528	1.97E-160	AC007182.1	-2.212	4.88E-11
LRP1B	3.526	8.52E-24	NR4A2	-2.212	1.84E-33
FAM238B	3.520	1.88E-07	GREM2	-2.212	3.99E-18
NECAB2	3.518	2.10E-26	LY86	-2.211	2.84E-35
C17orf99	3.518	2.09E-46	TBX5	-2.210	8.84E-44
SLC44A5	3.518	1.26E-69	KIF19	-2.210	8.13E-17
CYP27C1	3.517	1.97E-33	TTLL9	-2.210	1.51E-20
TK1	3.516	3.78E-177	COX7A1	-2.210	5.50E-42
LRRC14B	3.515	3.87E-21	SLC6A13	-2.210	2.90E-21
ORC1	3.514	3.47E-203	NEXN	-2.209	1.54E-46
IGSF1	3.514	6.64E-59	HK3	-2.208	3.41E-32
PTPRN	3.509	2.66E-38	MFSD2A	-2.207	5.14E-43
PIWIL1	3.508	2.64E-12	TMEM132D	-2.207	2.35E-07
RFPL1	3.506	5.67E-13	AARD	-2.206	2.44E-14
LINC02159	3.501	1.10E-30	CCDC17	-2.205	1.15E-19
CHEK2P2	3.496	2.68E-06	GJA5	-2.205	1.50E-30
AC016687.3	3.494	5.07E-04	ALS2CR12	-2.205	2.51E-32
AC012174.1	3.493	8.40E-21	TNFSF13	-2.204	2.28E-77
CCKBR	3.493	1.70E-12	CYS1	-2.203	1.13E-27
LINC01143	3.492	1.53E-14	ATP11A-AS1	-2.203	1.74E-11
MIOX	3.490	9.01E-29	MUC1	-2.202	2.26E-24
OIP5	3.488	1.84E-174	NAV2-AS5	-2.202	3.89E-04
IFNL3	3.487	3.39E-12	FAM180B	-2.201	5.45E-21
PPP1R27	3.486	5.80E-35	TTC39A-AS1	-2.201	1.22E-21
RAPGEF4-AS1	3.485	3.67E-19	PYGM	-2.201	2.43E-53
LINC02254	3.485	1.47E-15	CYB5A	-2.200	1.23E-55

MYCNOS	3.484	5.57E-14	NFE2	-2.199	1.29E-19
TFAP2B	3.481	2.83E-17	ADARB1	-2.197	3.01E-57
NKX6-1	3.481	1.34E-37	AP002761.3	-2.197	9.16E-44
TRIM72	3.480	5.65E-23	AP002004.1	-2.196	1.89E-43
ADAM18	3.480	3.52E-07	DLL4	-2.194	1.82E-65
ABCG8	3.479	7.38E-16	MFNG	-2.193	1.57E-50
KCNK2	3.475	4.88E-25	CRIP1	-2.191	2.62E-32
COL2A1	3.474	9.26E-23	ENPP4	-2.190	1.33E-36
CACNG2	3.471	1.05E-08	B3GNT7	-2.189	4.69E-29
TMEM63C	3.471	4.68E-50	UGT2B4	-2.188	1.46E-06
FAM46D	3.469	4.81E-12	CD33	-2.186	1.00E-40
RPL3L	3.469	2.11E-53	SERPIND1	-2.184	4.22E-09
PHOX2A	3.468	5.52E-09	AL133264.2	-2.183	2.34E-25
C17orf53	3.466	9.93E-186	CD83	-2.182	2.02E-54
WNT6	3.463	1.93E-25	ALPP	-2.182	3.55E-07
PERP	3.461	1.08E-137	CFAP45	-2.182	7.84E-25
LINC00648	3.460	1.10E-15	43900	-2.181	1.26E-21
PSG3	3.452	4.55E-06	ADGRB3	-2.180	1.14E-14
BAIAP2L2	3.452	3.12E-68	SH3BP5	-2.180	2.45E-53
DUXAP8	3.451	5.92E-63	C11orf21	-2.178	3.05E-26
CSTA	3.450	7.92E-48	CELA2B	-2.178	2.26E-36
AC234772.2	3.448	1.59E-47	TMEM130	-2.178	8.63E-21
GREM1	3.448	1.44E-47	SPTBN1	-2.177	7.08E-141
SPAG5	3.448	2.75E-181	FGG	-2.174	1.00E-06
SATB2-AS1	3.448	4.10E-36	IYD	-2.173	5.05E-12
AL359313.1	3.448	9.34E-11	SIGLEC5	-2.172	1.29E-26
APOBEC3B	3.447	1.03E-83	SLC16A4	-2.171	1.18E-28
PNMA5	3.447	3.66E-15	LINC01093	-2.166	2.91E-09
VSNL1	3.445	9.20E-63	MAP3K15	-2.165	1.99E-22
DCAF8L1	3.445	1.21E-04	SH2D1B	-2.164	6.67E-26
SLC6A5	3.444	3.81E-12	SPATA18	-2.164	1.14E-27
NCAN	3.444	1.89E-20	ADGRA1	-2.163	8.85E-08
RNF183	3.444	2.27E-26	TGM2	-2.162	5.06E-29
KRTAP29-1	3.444	1.32E-12	KCNE1	-2.160	1.19E-24
KIF11	3.443	1.01E-255	NLRP3	-2.159	2.39E-34
LINC01224	3.440	1.06E-18	MMP28	-2.159	4.43E-15
KIFC1	3.439	3.63E-220	C2	-2.159	1.31E-41
MUCL1	3.438	1.62E-22	TLR4	-2.158	3.84E-32
ADAM7	3.437	3.92E-10	LINC01844	-2.156	2.35E-14
LINC01615	3.436	1.14E-36	KLRF1	-2.155	3.44E-22
EGLN3	3.435	7.11E-61	ALDH2	-2.154	1.08E-56
AC022905.1	3.435	6.79E-25	TPSAB1	-2.153	3.16E-29
ARL14	3.434	1.09E-21	C5	-2.153	3.83E-34
NOS2P3	3.433	2.26E-13	EDN1	-2.153	1.51E-27
ELOVL4	3.433	1.91E-56	AC007743.1	-2.153	9.08E-21
TBX20	3.431	2.86E-12	DAPK1	-2.153	1.04E-34
MROH2A	3.430	1.11E-21	ARHGEF38	-2.151	4.42E-23
NUSAP1	3.430	5.53E-216	SCNN1B	-2.148	3.42E-21
RAD51	3.429	1.05E-210	PBOV1	-2.148	3.37E-17
TCF24	3.428	2.53E-48	GGTA1P	-2.147	6.30E-38
CDCA7	3.424	3.51E-124	SASH1	-2.147	8.48E-76
BEST2	3.421	1.05E-19	HHATL	-2.147	1.30E-08
DIO2	3.418	7.26E-48	IL7R	-2.147	1.50E-27
TRIM16L	3.417	1.13E-43	ADGRL4	-2.146	1.08E-59
AP000439.3	3.416	1.87E-08	MAPK4	-2.146	2.85E-11
MAD2L1	3.416	5.29E-183	PKNOX2-AS1	-2.146	1.65E-09

MAGEB17	3.414	5.23E-15	SPI1	-2.146	6.35E-44
EPHA7	3.414	1.79E-22	PLLP	-2.145	3.81E-52
TLL2	3.414	1.82E-43	RAB37	-2.143	8.76E-41
PCAT5	3.411	5.41E-11	AC108134.3	-2.142	3.76E-32
TWIST1	3.410	2.78E-49	LAMC3	-2.140	1.58E-32
SLC7A5	3.410	1.24E-83	GPR42	-2.139	8.38E-08
TMEM158	3.409	1.32E-61	GATA2	-2.137	3.78E-30
LINC00308	3.408	2.98E-06	HBD	-2.136	1.59E-13
HIST1H1B	3.402	2.57E-29	LTC4S	-2.136	6.53E-23
PAK5	3.400	3.70E-24	NINJ2	-2.136	4.76E-37
ABCA4	3.398	7.98E-19	MIR7515HG	-2.136	2.06E-03
ITPKA	3.397	7.39E-63	MIR7515HG	-2.136	2.06E-03
44166	3.397	3.80E-28	SULT1C4	-2.136	1.13E-18
F2RL2	3.396	5.86E-25	PIEZO2	-2.135	5.53E-26
ANKRD63	3.396	3.73E-11	RASIP1	-2.134	1.02E-30
LINC02313	3.394	4.09E-15	MROH2B	-2.133	1.07E-07
LINC02008	3.393	3.05E-04	MAATS1	-2.133	1.54E-16
BRIP1	3.393	7.80E-174	GALNT16	-2.133	8.66E-17
CGB5	3.393	2.06E-09	AC104051.2	-2.132	9.49E-09
CCER1	3.392	2.65E-07	GJA4	-2.131	2.58E-48
ETV4	3.392	2.73E-63	LINC01435	-2.131	2.72E-06
KCNQ2	3.392	2.05E-16	LINC01099	-2.131	4.35E-19
AP001783.1	3.391	1.10E-14	AL391807.1	-2.129	3.37E-12
UGT1A5	3.389	1.83E-14	SPARCL1	-2.129	1.60E-31
AC073585.1	3.388	9.36E-71	KMO	-2.128	8.89E-33
LCE2C	3.387	1.22E-05	GPR4	-2.128	9.69E-70
CDK1	3.385	6.19E-189	SNX30	-2.127	4.25E-108
KLC3	3.382	5.88E-81	OR2W3	-2.125	2.41E-07
LINC01920	3.380	1.05E-09	PCDH20	-2.125	3.23E-13
CHRNB2	3.380	6.50E-32	RNF133	-2.122	2.16E-22
NKX2-3	3.379	3.38E-24	ZEB2	-2.122	4.39E-52
IGFBP2	3.377	1.66E-50	CAT	-2.122	2.17E-86
GAP43	3.377	1.70E-31	OCLN	-2.122	2.35E-42
GCLC	3.376	3.97E-60	RNASE13	-2.122	1.90E-18
CEACAMP10	3.373	3.24E-13	AC092978.1	-2.121	7.66E-10
CLDN19	3.371	6.06E-12	CCL15	-2.120	1.41E-08
SMC1B	3.371	1.12E-32	LPCAT1	-2.120	2.43E-33
SLC2A1-AS1	3.371	1.46E-79	44078	-2.119	1.30E-54
PRSS2	3.371	3.04E-18	GRAPL	-2.118	1.29E-26
AKR1C3	3.368	1.95E-27	TRIM63	-2.118	3.24E-10
HTN3	3.368	1.39E-05	TSPAN4	-2.118	3.05E-54
IL22RA2	3.363	2.85E-35	C10orf95	-2.118	3.80E-40
LINC02387	3.363	9.11E-19	TPSB2	-2.118	1.38E-21
CNTD2	3.360	3.94E-31	TGFBR3	-2.117	2.30E-32
CBX2	3.360	1.38E-73	PTPRN2	-2.117	9.77E-26
COL9A3	3.359	4.78E-30	IL33	-2.116	2.61E-19
JPH3	3.356	1.15E-20	SYNC	-2.116	7.08E-49
LINC01343	3.356	4.82E-09	ARHGEF6	-2.116	6.08E-47
ARNTL2	3.355	1.49E-95	MIR4772	-2.115	3.85E-03
CHODL-AS1	3.351	1.26E-13	OR7E2P	-2.114	4.90E-06
LINC02465	3.349	1.11E-15	AC016909.2	-2.113	3.53E-10
MLIP	3.347	2.04E-35	MAOB	-2.111	1.16E-24
AL118508.1	3.347	6.41E-20	MIR497HG	-2.111	3.54E-69
TRIM49C	3.345	2.89E-04	SIGLEC1	-2.110	4.42E-28
GPC2	3.345	8.90E-62	PTGIR	-2.108	7.06E-45
COL10A1	3.342	5.96E-45	HSPB8	-2.107	2.09E-26

TEX13B	3.340	6.98E-10	PLA2G2A	-2.107	2.74E-10
SLC34A1	3.337	5.37E-29	NR2F1	-2.106	1.58E-44
LINC02282	3.336	6.45E-03	NTM	-2.104	1.95E-28
TUBB3	3.335	7.10E-47	DDO	-2.103	3.87E-26
UGT3A2	3.334	7.29E-18	ATP1B2	-2.103	2.49E-26
MIR9-3HG	3.332	3.35E-47	LRCOL1	-2.103	3.01E-19
STEAP1B	3.328	2.22E-37	CLEC4D	-2.102	4.61E-22
STEAP1B	3.328	2.22E-37	KLF6	-2.100	1.84E-60
CNGB3	3.327	1.16E-49	LHFPL6	-2.100	1.07E-64
DCX	3.327	3.09E-09	WSCD1	-2.099	1.67E-16
AC092167.1	3.326	2.07E-15	CD40LG	-2.098	2.36E-20
ALX4	3.326	1.59E-17	FCGR3B	-2.097	2.01E-11
CENPI	3.324	1.87E-194	C2CD4B	-2.097	4.17E-16
TNFRSF18	3.323	5.07E-65	GVINP1	-2.095	3.43E-27
CGA	3.323	3.97E-09	RASSF2	-2.095	5.87E-33
PRAC1	3.323	5.48E-05	PCDHGA12	-2.095	2.19E-29
SLCO1B7	3.323	3.55E-07	DDAH1	-2.094	1.08E-41
CLVS2	3.317	1.46E-07	OLFML1	-2.093	1.47E-37
RUNDC3A-AS1	3.317	4.01E-51	KLHL32	-2.093	7.43E-18
MCM2	3.314	1.10E-181	CYBB	-2.093	1.36E-27
AC073324.2	3.313	3.86E-21	CCIN	-2.092	2.18E-31
LINC02454	3.312	8.43E-19	TRPC6	-2.090	1.75E-27
SAMMSON	3.311	3.69E-16	TIMP3	-2.089	1.06E-19
SKOR2	3.310	8.95E-04	TBX2	-2.089	5.92E-40
PAX2	3.309	1.33E-12	KIAA0087	-2.087	2.20E-07
VGF	3.309	1.86E-26	PPP3R2	-2.087	3.96E-14
RFC4	3.308	5.42E-160	GIMAP4	-2.086	1.37E-38
GRIA2	3.308	3.56E-16	LINC00892	-2.085	6.79E-19
FZD10	3.307	5.68E-35	LINC02299	-2.085	1.48E-04
IGLON5	3.306	6.41E-36	AL353747.4	-2.083	1.49E-03
FAM72C	3.305	5.89E-63	KCNAB1	-2.082	6.03E-56
FAM72C	3.305	5.89E-63	SYNPO	-2.080	4.82E-44
ZPLD1	3.305	1.32E-23	LINC01942	-2.079	1.99E-11
LINC01572	3.304	3.76E-113	ZEB2-AS1	-2.079	5.76E-40
AL844175.1	3.304	8.12E-06	RSPO4	-2.078	3.71E-12
BUB1	3.302	2.71E-219	PCDH17	-2.077	4.01E-41
GINS4	3.299	4.72E-113	FAM181A-AS1	-2.077	3.89E-09
MYOSLID	3.297	3.91E-47	DOCK8	-2.076	1.97E-36
AP003119.2	3.297	4.94E-58	TMC5	-2.075	5.72E-16
EDARADD	3.295	1.01E-54	LINC02033	-2.075	6.26E-33
KCNIP4-IT1	3.292	6.36E-10	AC136489.1	-2.075	1.71E-14
C11orf53	3.291	1.28E-14	BTK	-2.074	2.09E-34
LINC00701	3.290	2.42E-09	FCRL6	-2.074	6.97E-27
CARD14	3.287	2.05E-90	LINC01671	-2.074	5.59E-17
PSG1	3.282	2.74E-07	ADAMTSL4-AS1	-2.073	8.14E-40
NKX6-3	3.282	1.17E-11	GMFG	-2.072	2.23E-40
RPE65	3.281	3.07E-15	SYNE3	-2.071	3.81E-40
KCNK10	3.281	1.46E-16	KCNQ1-AS1	-2.070	4.63E-15
C12orf77	3.280	1.74E-09	SMTNL2	-2.069	8.11E-16
HTR1E	3.279	1.33E-06	TRIM58	-2.069	6.24E-08
LINC01918	3.278	5.30E-17	P2RY12	-2.068	1.81E-14
SPC25	3.278	3.26E-164	PLA2G10	-2.067	1.38E-28
FAM25BP	3.277	1.81E-06	DPRX	-2.066	3.75E-03
AL079301.1	3.277	1.23E-09	GPC5	-2.066	1.67E-08
COL19A1	3.277	5.37E-17	NKD1	-2.066	1.02E-19
ELOA2	3.275	1.83E-16	GPD1L	-2.064	9.94E-67

WNT16	3.274	1.56E-25	UTRN	-2.063	4.03E-71
CLEC12A-AS1	3.274	6.85E-22	KIF6	-2.062	1.28E-19
HIST1H2AB	3.273	4.09E-18	PDE5A	-2.062	7.28E-52
ZNF679	3.272	2.35E-04	LINC01747	-2.060	2.76E-22
NUDT11	3.270	2.54E-47	TPSD1	-2.059	2.55E-11
ASF1B	3.267	2.32E-160	RUNX1T1	-2.057	1.04E-27
LINC01399	3.264	1.10E-14	CRYM	-2.055	5.76E-11
HES2	3.262	5.72E-44	LINC01982	-2.055	7.61E-07
KNL1	3.261	8.03E-199	EGR1	-2.055	8.47E-30
NPY	3.261	1.66E-07	FERMT2	-2.054	6.25E-52
PLCZ1	3.259	6.12E-11	SRD5A2	-2.054	5.65E-09
NRSN1	3.258	6.16E-09	SLC44A4	-2.054	3.36E-15
C8orf22	3.257	1.35E-06	DOCK11	-2.054	3.56E-47
TBX10	3.254	2.67E-16	ANK2	-2.053	1.03E-25
SPOCK1	3.253	3.31E-52	HRC	-2.053	1.76E-23
CTSL3P	3.252	1.28E-07	LST1	-2.052	5.14E-34
GTSF1	3.251	1.41E-17	NYAP2	-2.050	3.95E-11
IGF2BP2-AS1	3.251	6.72E-25	AP003774.3	-2.050	5.01E-25
ITIH6	3.250	2.59E-37	SLC7A7	-2.049	1.82E-36
ISX	3.249	4.90E-09	PRSS35	-2.048	6.24E-18
CDC25A	3.249	3.85E-164	RECK	-2.047	5.62E-60
HIST3H2A	3.249	1.29E-51	SMAD9	-2.045	1.04E-31
CES1P2	3.246	8.64E-12	CLEC6A	-2.044	3.47E-14
ARHGAP36	3.245	1.82E-12	CCR9	-2.043	2.44E-18
OR51E1	3.245	6.82E-45	CCDC81	-2.043	4.72E-40
PLCH2	3.244	2.64E-49	AL137025.1	-2.041	1.56E-09
HIST1H3D	3.243	1.65E-51	CFAP206	-2.040	6.85E-17
TUBB4A	3.243	1.17E-28	LINC00570	-2.040	1.01E-10
POTEH	3.242	2.64E-04	ZNF474	-2.040	9.45E-18
PROM2	3.241	2.54E-53	C2orf50	-2.040	6.74E-18
RAD51AP1	3.241	5.72E-153	RBMS2	-2.040	7.53E-83
CPA4	3.240	9.03E-21	GFRA2	-2.039	1.64E-18
NEFM	3.240	6.67E-14	B3GALT2	-2.039	4.75E-13
SPATA31C2	3.238	4.02E-07	PTPRQ	-2.038	3.65E-12
E2F8	3.236	2.69E-140	43892	-2.037	1.00E-78
LINC00707	3.235	1.91E-24	NPY5R	-2.036	8.06E-06
LHFPL1	3.235	1.43E-36	AL161785.1	-2.035	2.46E-22
EWSAT1	3.235	2.63E-21	AGAP1-IT1	-2.035	6.87E-27
GRK7	3.234	6.22E-41	DUOX1	-2.034	7.57E-36
MAGEA2B	3.234	3.25E-07	ADRA1B	-2.034	1.26E-12
DBX2	3.233	1.65E-08	MIR202HG	-2.034	2.21E-07
KLK13	3.233	1.03E-18	MIRLET7A1	-2.034	3.28E-12
AL023755.1	3.233	3.93E-22	LINC02024	-2.032	5.72E-03
AL023755.1	3.233	3.93E-22	NES	-2.031	3.00E-31
FBXO43	3.232	2.64E-76	PLIN5	-2.031	2.80E-22
EPHA6	3.232	5.04E-20	SDR16C5	-2.031	7.98E-17
ABCC2	3.231	5.33E-22	BMP15	-2.030	1.57E-05
GSC	3.230	3.55E-23	ZMYND15	-2.030	5.26E-53
NTRK2	3.229	1.64E-25	RSPH10B	-2.029	1.79E-24
LINC01098	3.229	3.57E-10	UNC13B	-2.029	2.76E-56
AURKA	3.229	2.05E-205	AFAP1L1	-2.028	5.89E-50
CARD17	3.228	4.46E-33	AC091948.1	-2.028	1.04E-44
CD8B2	3.226	3.57E-13	GSTA2	-2.027	8.86E-06
SERPINB11	3.224	1.28E-13	ADAMTS4	-2.027	1.85E-24
C6orf10	3.222	1.10E-16	C19orf35	-2.027	8.31E-34
OTOS	3.222	4.69E-08	MIR4269	-2.026	7.74E-05

AC119868.1	3.218	5.35E-09	LINC02356	-2.026	3.06E-23
IL31RA	3.215	3.04E-33	NMRK2	-2.026	8.15E-09
COX8C	3.214	6.74E-11	BMPER	-2.026	3.41E-13
TYMSOS	3.212	1.03E-76	DKK2	-2.026	1.48E-14
DMP1	3.212	4.24E-31	TMEM233	-2.025	4.88E-42
MYCN	3.208	1.04E-22	ITGA1	-2.025	3.87E-58
ATP6V1B1-AS1	3.208	1.33E-20	ARHGAP18	-2.025	6.71E-58
BPIFB4	3.206	2.26E-13	MSRB3	-2.024	2.90E-34
44088	3.205	1.25E-07	AC010624.1	-2.024	2.17E-16
SLC47A2	3.204	3.50E-27	LINC01917	-2.023	1.71E-10
LINC01910	3.203	7.09E-14	KCNJ5	-2.023	4.29E-21
SLC4A11	3.199	1.54E-51	FGF10	-2.023	3.93E-07
HMMR	3.196	1.18E-131	AC010255.3	-2.022	5.00E-09
RMI2	3.196	2.68E-128	LYZ	-2.022	1.30E-17
AL035252.2	3.195	4.46E-12	TYROBP	-2.022	1.30E-33
LRIT2	3.194	1.88E-12	CFAP57	-2.022	2.17E-13
TMEM132A	3.194	4.07E-132	CARMN	-2.020	4.37E-40
TAC3	3.192	1.80E-14	PEAK1	-2.020	1.16E-80
LINC01647	3.192	1.94E-08	MIR320D1	-2.019	5.14E-07
LINC01583	3.190	1.17E-19	AK7	-2.019	3.63E-24
LINC02323	3.190	1.65E-36	GFRA1	-2.019	6.98E-13
UPK1A	3.189	9.63E-20	DYSF	-2.019	2.61E-40
MRAP2	3.189	2.51E-29	C16orf54	-2.017	5.89E-26
C16orf74	3.189	3.61E-68	C20orf166-AS1	-2.017	2.25E-13
ADIPOQ	3.187	3.22E-05	UCN3	-2.017	5.02E-07
TCF4-AS1	3.187	2.47E-16	OR5K2	-2.015	9.53E-19
MUC7	3.186	1.12E-04	AC083949.1	-2.015	1.27E-24
COL4A6	3.184	1.82E-34	CD163	-2.015	1.69E-22
LINC02541	3.181	3.66E-48	SLN	-2.015	3.82E-12
ATP13A5-AS1	3.181	7.96E-11	FGF9	-2.013	3.54E-12
SLAMF9	3.180	2.50E-32	AL157714.2	-2.013	5.01E-07
LARGE2	3.177	4.09E-93	REM1	-2.013	2.65E-25
ZWINT	3.177	9.20E-196	TBC1D26	-2.012	1.24E-09
ECT2	3.175	6.66E-148	ACACB	-2.012	5.33E-62
B3GALT5-AS1	3.174	1.55E-15	TNFSF12	-2.011	3.37E-67
ERVV-1	3.172	5.83E-10	CNRIP1	-2.010	7.62E-48
OR1J4	3.171	1.44E-15	MGAT3	-2.009	2.11E-14
LINC00851	3.171	4.24E-07	LINC02346	-2.009	5.31E-03
FTCD	3.171	1.61E-25	ENO4	-2.009	9.43E-30
AC108002.3	3.170	7.58E-04	SNX22	-2.009	1.01E-39
MIR4300HG	3.170	8.88E-09	MYH10	-2.009	1.45E-54
PANX2	3.169	3.18E-43	AC092802.1	-2.009	5.06E-26
TFR2	3.168	2.88E-59	C8orf4	-2.008	1.66E-21
NBPF4	3.167	1.94E-08	MITF	-2.005	1.08E-54
BCL11A	3.166	1.02E-65	L1TD1	-2.005	4.51E-12
ATP13A5	3.162	3.26E-17	PILRA	-2.002	1.78E-36
AC010099.4	3.158	7.51E-15	LINC00469	-2.002	7.63E-10
CHRNA5	3.157	3.17E-91	SPINK14	-2.002	4.22E-10
SIX6	3.157	4.14E-08	LILRA6	-2.001	6.43E-31
GP2	3.157	4.49E-06	HLA-DPA1	-2.000	1.13E-27
CLDN1	3.154	5.88E-40	MSLN	-2.000	9.30E-09
HIST1H2AL	3.154	3.42E-20	SRL	-2.000	1.66E-15
CNGB1	3.153	4.56E-22	CLEC1A	-2.000	6.11E-20
CENPE	3.153	3.49E-164	BMX	-2.000	3.76E-18
AC098936.1	3.153	2.27E-14	APOA1-AS	-1.999	6.69E-44

AC004870.2	3.150	6.48E-10	MAK	-1.999	5.43E-34
LINC01804	3.150	1.97E-03	PPARG	-1.999	2.68E-27
KIF15	3.150	2.40E-169	KCTD12	-1.998	2.91E-53
ATOH7	3.149	3.83E-27	GIPC3	-1.996	3.78E-48
GPR19	3.147	4.46E-78	AC044810.2	-1.993	1.24E-15
EZH2	3.147	1.18E-149	CEACAM4	-1.993	3.91E-25
C10orf91	3.147	1.23E-42	HHLA2	-1.992	1.12E-11
RGMA	3.147	1.09E-45	MIR22HG	-1.991	3.56E-55
AL161636.1	3.146	3.39E-12	CYP1A1	-1.991	1.22E-08
TRPA1	3.144	1.47E-29	GNG7	-1.989	5.85E-31
PLEK2	3.143	7.71E-44	HBZ	-1.989	2.73E-07
FLG2	3.142	1.07E-14	SIGLEC14	-1.988	4.11E-18
PLK5	3.141	6.80E-17	PLAC9P1	-1.988	7.45E-13
BARHL2	3.141	4.60E-06	SCNN1G	-1.988	2.69E-16
TAF7L	3.138	2.35E-31	HLA-DOA	-1.988	1.59E-25
FGB	3.137	5.58E-07	PPP1R32	-1.988	7.73E-32
AP3B2	3.134	6.01E-43	LGI4	-1.986	3.42E-41
KRTAP5-6	3.132	5.88E-13	CGN	-1.986	7.97E-32
NLRP7	3.132	3.00E-20	IL6ST	-1.985	5.95E-80
ATRNL1	3.132	5.15E-23	LINC01537	-1.985	1.72E-12
LINC02012	3.131	4.95E-37	FXYD4	-1.984	1.26E-07
GAD2	3.131	1.33E-05	C1QB	-1.984	4.69E-26
FGFBP1	3.130	1.82E-30	ACSL5	-1.984	3.92E-22
FAM72B	3.128	3.63E-108	FFAR3	-1.980	5.42E-12
C10orf82	3.128	2.70E-14	PER1	-1.980	2.31E-45
KCNJ4	3.127	1.09E-15	C3	-1.978	9.87E-26
LINC01574	3.127	4.58E-07	PPP1R16B	-1.978	1.26E-25
LINC00661	3.127	1.91E-05	NCF2	-1.978	1.46E-40
PLXNB3	3.125	2.82E-78	ST3GAL5	-1.977	6.86E-35
IL36B	3.123	2.10E-13	MGAT3-AS1	-1.976	6.86E-09
LCE3C	3.120	3.60E-03	MYL1	-1.976	6.18E-04
HTR7	3.118	3.31E-30	TMEM220	-1.976	8.18E-51
ZNF648	3.117	9.73E-15	DRC3	-1.974	1.47E-35
PAGE1	3.117	2.48E-05	SYPL2	-1.974	1.59E-23
TNNT1	3.116	9.32E-31	NWD1	-1.973	2.86E-10
PCAT6	3.116	1.43E-94	P4HA2-AS1	-1.973	2.08E-17
C4orf26	3.115	2.10E-20	ENAM	-1.973	1.24E-15
CPA2	3.113	1.25E-18	APBB1	-1.972	3.16E-47
SMCO2	3.112	1.32E-53	PARD3B	-1.972	7.93E-28
PSORS1C2	3.111	9.43E-20	HBG2	-1.971	8.07E-12
DIRC3	3.111	4.15E-29	C1QA	-1.970	1.18E-27
AL359924.1	3.111	6.01E-06	DUSP26	-1.967	3.37E-16
AP003390.2	3.108	2.68E-14	SERPING1	-1.967	7.73E-43
TMBIM7P	3.108	3.70E-14	ETV1	-1.966	5.60E-27
LINC01998	3.107	3.44E-07	FAM47E	-1.965	3.07E-27
LYPD6B	3.105	4.03E-44	TEX26	-1.965	3.49E-07
KLK15	3.103	5.39E-09	KRT87P	-1.965	7.34E-10
CGB3	3.102	7.61E-08	SLC17A1	-1.963	8.16E-04
PFN2	3.101	1.24E-74	RFX2	-1.962	8.38E-59
FBXO27	3.101	1.06E-55	DSCAML1	-1.961	2.44E-12
TUNAR	3.100	1.32E-04	SHROOM3	-1.960	7.12E-41
HELLS	3.100	8.80E-171	CLIC2	-1.960	2.85E-31
GPC1	3.100	1.25E-70	EDA2R	-1.959	5.72E-31
WDR62	3.096	1.37E-114	KCNRG	-1.959	2.45E-28
LINC01776	3.095	2.00E-05	LILRB3	-1.957	3.10E-36
CAMKV	3.094	9.99E-18	LILRB3	-1.957	3.10E-36

DIO2-AS1	3.091	1.54E-06	LILRB3	-1.957	3.10E-36
ESPN	3.089	9.77E-60	LILRB3	-1.957	3.10E-36
NECTIN4	3.089	1.08E-80	LRRC74A	-1.956	7.89E-17
HIST1H2BI	3.087	2.35E-16	ACP5	-1.955	6.03E-45
EYA2	3.085	1.98E-43	SOCS3	-1.954	1.06E-42
FAM111B	3.084	4.38E-86	RAB11FIP1	-1.954	3.78E-31
GIP	3.084	4.82E-08	HEG1	-1.954	5.02E-41
OR9A4	3.083	1.96E-10	LINC02285	-1.952	6.89E-29
LINC01361	3.083	1.24E-23	LRRC31	-1.952	1.97E-06
LINC00682	3.083	4.68E-07	IFIT1B	-1.951	2.22E-12
CNNM1	3.082	4.13E-35	HLA-DQA2	-1.951	3.16E-13
DDX12P	3.082	5.36E-82	TMEM47	-1.950	1.52E-33
CENPU	3.081	6.98E-134	COL13A1	-1.950	3.45E-32
HOXA1	3.081	2.49E-86	CYSLTR1	-1.950	1.44E-26
PTTG1	3.081	6.14E-176	TFPI	-1.948	2.64E-22
CDH8	3.078	2.26E-36	OIT3	-1.948	4.44E-15
LINC01703	3.077	9.10E-63	KIAA1324L	-1.948	4.83E-54
CCDC150	3.077	1.35E-81	CNN1	-1.947	2.73E-26
JAKMIP3	3.076	5.55E-28	PTGDR2	-1.946	8.85E-36
POTEF	3.076	3.80E-24	LINC00443	-1.946	6.82E-11
DLK2	3.074	8.89E-62	PRUNE2	-1.945	9.73E-21
CA12	3.074	2.38E-36	MIR4257	-1.945	2.02E-12
LINC00974	3.072	4.24E-13	MAMDC2-AS1	-1.945	2.22E-34
LINC02076	3.072	4.29E-26	DACH1	-1.944	4.34E-17
B4GALNT2	3.070	1.57E-18	ECM2	-1.943	4.33E-32
MYH7	3.070	6.76E-14	CCDC181	-1.943	1.56E-19
AL354751.1	3.070	9.25E-13	GAB2	-1.943	1.13E-31
XXYLT1-AS1	3.068	1.05E-20	KCNQ1	-1.941	3.65E-29
KIRREL3-AS3	3.067	1.43E-04	SYNPO2L	-1.941	5.21E-13
OR51E2	3.066	2.91E-15	CXCL5	-1.941	9.75E-09
DPPA5	3.065	2.55E-04	C11orf91	-1.940	4.45E-20
SIX3	3.065	1.61E-13	LINC01104	-1.939	6.01E-04
SPOCK3	3.065	1.48E-17	FAM180A	-1.939	1.60E-19
ALPK2	3.063	3.76E-35	PHACTR2	-1.939	5.81E-81
ANKRD34B	3.063	7.73E-18	CFL2	-1.939	5.73E-77
PIF1	3.062	1.26E-105	RCAN2	-1.938	1.16E-28
MIR6867	3.062	2.13E-13	MVB12B	-1.938	1.28E-51
POPDC3	3.061	3.17E-24	CYP4A11	-1.936	9.47E-11
CU639417.6	3.059	2.02E-16	AC004540.1	-1.936	9.08E-27
CAMK2B	3.059	2.93E-25	ALPK3	-1.935	4.84E-22
TEX11	3.056	1.22E-28	CMAHP	-1.935	1.60E-27
PAGE2B	3.055	7.95E-08	CMAHP	-1.935	1.60E-27
CHRNA6	3.055	1.08E-16	ITGAL	-1.934	2.41E-25
FMO6P	3.051	5.16E-20	CTSW	-1.934	3.41E-21
SPP2	3.049	1.51E-09	RERGL	-1.933	1.95E-07
SLC22A20	3.048	8.21E-34	HLA-DRB1	-1.933	4.02E-25
AC009014.1	3.048	2.39E-12	GPRIN3	-1.932	6.15E-34
INSL4	3.048	2.02E-06	FAM187B	-1.932	5.84E-15
LINC01460	3.047	2.32E-30	OLAH	-1.932	8.67E-11
PAUPAR	3.047	3.95E-06	TXNIP	-1.931	2.76E-37
PAUPAR	3.047	3.95E-06	C10orf142	-1.929	2.06E-15
SYNPR	3.044	4.41E-10	MAGI3	-1.928	5.30E-67
STIL	3.041	4.06E-206	VWA5B1	-1.926	4.02E-10
TULP1	3.040	2.05E-41	LGALS12	-1.925	2.87E-19
AK4	3.038	9.17E-97	WFDC10A	-1.925	4.52E-05
LHX5-AS1	3.037	5.03E-08	GADL1	-1.923	1.20E-12

LYPD1	3.037	8.35E-31	MEF2C	-1.923	1.34E-39
C14orf39	3.035	4.77E-17	MAP6	-1.923	4.91E-21
FRG2B	3.035	5.51E-07	CETP	-1.922	7.95E-31
PRB2	3.034	9.72E-10	RFTN1	-1.922	3.77E-34
RAET1K	3.033	1.08E-43	PALM3	-1.921	1.07E-15
PPFIA4	3.033	3.59E-57	KBTBD11	-1.921	5.92E-28
GOLGA6L22	3.031	4.47E-07	RIPOR2	-1.921	1.72E-24
XG	3.028	3.27E-32	HSPB2-C11orf52	-1.920	8.25E-11
CNMD	3.027	2.81E-08	ADAMTS1	-1.920	2.20E-25
LINC00592	3.024	3.46E-36	LINC00689	-1.919	6.32E-08
ERVMER34-1	3.023	3.50E-48	MEFV	-1.917	1.09E-25
C2CD4A	3.022	1.12E-31	IQUB	-1.917	1.24E-19
MSL3P1	3.021	6.19E-74	MAGI1	-1.916	1.58E-61
PDIA2	3.021	6.80E-23	MGAM	-1.916	6.01E-15
AKR1C4	3.020	2.84E-17	JPH2	-1.913	1.11E-19
PARPBP	3.019	3.84E-130	POU1F1	-1.913	5.91E-10
CA6	3.018	1.80E-13	VGLL3	-1.913	1.10E-18
FANCI	3.018	1.25E-177	MTURN	-1.912	3.06E-49
MAB21L3	3.017	9.94E-28	RASGRP2	-1.912	3.67E-21
FRG2	3.017	5.69E-08	NPNT	-1.912	1.35E-25
ISL2	3.015	4.35E-47	RNF180	-1.912	1.13E-34
CENPVL3	3.015	2.15E-04	TLR3	-1.910	8.57E-33
AC115837.2	3.014	3.28E-10	AMHR2	-1.910	1.69E-15
MELTF-AS1	3.012	6.95E-79	RAB17	-1.909	2.68E-18
DPF1	3.011	7.03E-47	HLA-DRA	-1.907	4.33E-23
HS6ST2	3.010	1.05E-45	AC073911.1	-1.907	7.20E-10
IQANK1	3.010	6.56E-122	NME9	-1.906	1.20E-21
ARHGAP11A	3.009	5.59E-179	CAMK2N1	-1.906	1.16E-19
IL1F10	3.008	9.46E-13	PALD1	-1.904	8.52E-39
MYADML2	3.005	9.21E-25	METTL7A	-1.904	1.92E-29
AC136944.3	3.005	1.50E-06	TMC2	-1.903	4.44E-12
CENPM	3.004	8.79E-136	ABCC9	-1.901	3.60E-28
BOLL	3.004	5.53E-19	NCKAP1L	-1.900	4.10E-27
CENPW	3.003	2.23E-104	GPC5-AS1	-1.899	2.58E-03
DHRS2	3.003	1.60E-21	ABCC6P2	-1.899	5.56E-20
SNORD88A	3.002	4.61E-16	GJC2	-1.897	4.92E-34
GRIN2D	3.002	3.05E-36	C11orf16	-1.897	1.18E-08
KIAA1524	3.001	3.95E-163	LTBP4	-1.897	9.58E-33
AP003063.2	3.001	4.71E-09	NIM1K	-1.896	6.67E-28
PODXL2	3.000	8.61E-56	MIR3193	-1.896	1.01E-06
SIM2	2.996	1.35E-51	FIBIN	-1.895	6.48E-20
POU6F2-AS1	2.996	1.18E-11	MIR4322	-1.895	6.09E-11
TMEM249	2.993	7.76E-31	RAB44	-1.894	1.71E-29
LINC01470	2.992	1.76E-09	HSPB2	-1.894	5.83E-33
TRPC7	2.991	1.95E-08	CCDC114	-1.894	1.66E-17
STEAP2-AS1	2.989	1.88E-20	ASGR1	-1.893	5.20E-44
B3GNT3	2.989	2.34E-33	EFCAB1	-1.892	1.07E-13
TBX18-AS1	2.988	1.15E-10	MGC32805	-1.892	5.59E-12
OR10H1	2.987	2.91E-09	ASAH1	-1.891	1.46E-79
AC005064.1	2.986	1.52E-12	GAPT	-1.891	1.23E-19
STRCP1	2.982	4.38E-34	ADPRH	-1.891	9.90E-57
TCHH	2.980	1.74E-19	HLA-DPB1	-1.891	1.84E-28
MCM4	2.980	6.29E-203	CLEC9A	-1.889	2.05E-17
AL109918.1	2.979	2.47E-37	CYP7A1	-1.889	3.95E-15
UBE2QL1	2.979	5.79E-25	AL009178.2	-1.888	2.03E-18
TBR1	2.977	4.02E-11	PIK3R5	-1.888	1.44E-29

NAT8L	2.976	1.96E-27	MEGF11	-1.888	5.72E-10
CXCL13	2.975	4.30E-26	RNF148	-1.887	8.48E-21
AC079598.2	2.973	4.46E-09	LMO2	-1.885	1.70E-28
ELOVL2-AS1	2.973	6.39E-10	SLC1A7	-1.885	2.70E-15
CLPS	2.972	6.83E-06	FAM46B	-1.884	4.12E-17
CLLU1OS	2.972	1.38E-15	CR381653.2	-1.884	3.14E-11
HIST1H2AG	2.971	7.16E-51	AC007405.3	-1.884	1.07E-23
SHISA7	2.971	2.20E-20	HOXA5	-1.884	2.97E-46
GLRA3	2.970	1.72E-23	PRICKLE2-AS1	-1.882	2.03E-15
KRT2	2.969	1.01E-14	PCDHGB7	-1.882	1.22E-17
LINC01115	2.968	2.70E-06	PLCL1	-1.881	1.70E-26
LRTM1	2.967	2.32E-09	RASGEF1B	-1.880	7.86E-40
AC092447.5	2.964	2.93E-05	HLF	-1.879	8.16E-18
NGEF	2.964	3.22E-48	HSD17B11	-1.879	3.37E-58
PKP4-AS1	2.963	1.61E-36	PARD6B	-1.878	1.38E-53
AC018554.3	2.963	1.79E-05	AP004243.1	-1.877	2.74E-03
SLC35F3	2.962	4.77E-28	TRGC1	-1.876	1.08E-13
LINC00381	2.962	3.21E-12	LINC01013	-1.876	1.69E-12
LINC02321	2.961	5.44E-33	PRR15L	-1.876	1.24E-14
LINC01411	2.960	1.79E-07	AC007906.2	-1.875	5.57E-13
FLJ30679	2.958	3.41E-20	KCNJ8	-1.875	1.80E-36
F2	2.957	4.49E-08	CISH	-1.875	5.54E-50
STRC	2.957	1.79E-26	PODXL	-1.874	5.09E-35
AL390729.1	2.955	3.37E-18	RSPH9	-1.872	1.31E-31
FSIP2-AS1	2.955	7.08E-30	SLC6A14	-1.871	1.71E-11
ELAVL2	2.955	3.86E-14	ARHGEF10	-1.871	4.62E-46
UGT2A2	2.955	9.73E-05	BANK1	-1.871	8.84E-24
DDX11-AS1	2.955	1.90E-86	PLA2G5	-1.870	2.11E-26
FUT6	2.954	7.73E-18	CLEC4E	-1.870	4.74E-18
C2orf48	2.953	2.66E-41	TSPAN32	-1.869	4.91E-25
NLRP11	2.950	1.67E-13	RBPMS	-1.867	4.26E-49
CCDC162P	2.949	1.14E-38	CTSS	-1.866	6.13E-28
AL109924.2	2.949	3.53E-13	SEMA5A	-1.865	7.74E-13
AC016825.1	2.948	2.14E-06	WDFY4	-1.865	3.89E-21
FAM25C	2.946	1.63E-06	EFEMP1	-1.865	4.25E-21
CALCB	2.944	8.11E-17	GRID1	-1.861	1.38E-22
SNCB	2.944	3.90E-22	AGAP11	-1.860	4.74E-16
PRR11	2.943	1.27E-160	HLA-DMA	-1.859	1.11E-29
LEMD1	2.938	5.39E-28	MRGPRE	-1.858	1.55E-06
MNX1	2.936	1.14E-22	CRAT37	-1.858	4.77E-12
TTLL8	2.936	3.80E-12	C1QTNF9	-1.856	3.00E-08
TUBA3E	2.935	7.79E-11	RAPGEF2	-1.855	1.07E-87
ARHGEF39	2.933	5.06E-94	CCDC13-AS1	-1.854	9.20E-25
PABPC1L2B	2.933	1.77E-04	EPB41L5	-1.854	6.48E-82
UBE2S	2.933	8.58E-131	RAB40A	-1.853	5.12E-29
AC010980.1	2.931	8.93E-41	AL133297.2	-1.853	6.84E-17
LINC01395	2.931	1.80E-11	LRRC70	-1.853	2.57E-45
HOXB1	2.929	8.76E-14	DPT	-1.852	7.31E-17
TRIM7	2.925	2.94E-37	GPR20	-1.850	1.51E-19
GPRC6A	2.925	1.10E-10	CFAP99	-1.850	2.48E-14
LINC02502	2.925	1.99E-12	EGFL7	-1.848	1.25E-39
KLHDC7B	2.923	5.50E-23	AC037441.1	-1.848	1.31E-05
EIF4EBP1	2.919	1.71E-67	LINC00636	-1.848	1.12E-11
NKX2-6	2.916	2.16E-03	COL4A2-AS1	-1.848	2.28E-18
LINC00052	2.915	2.98E-06	ANO2	-1.847	1.67E-24
E2F2	2.915	2.71E-121	TBX21	-1.846	4.60E-22

RDH16	2.912	6.21E-38	ANG	-1.846	2.64E-40
AL158819.1	2.909	4.28E-05	CXCL16	-1.846	6.28E-61
H19	2.907	2.60E-15	C21orf62	-1.845	1.37E-17
HOXC6	2.907	2.15E-42	ABCC13	-1.844	7.12E-06
KCNC1	2.906	3.70E-18	PACRG	-1.844	4.26E-12
LINC01139	2.905	2.28E-14	MYL9	-1.844	1.10E-31
CHGA	2.905	2.29E-15	FNIP2	-1.842	9.35E-59
OTP	2.905	3.14E-13	AC011389.1	-1.842	4.93E-05
CACNA2D3-AS1	2.904	1.95E-11	LINC01852	-1.841	2.93E-66
LINC01792	2.903	5.99E-10	TCEAL2	-1.841	3.90E-08
ZNF750	2.903	5.54E-46	CAPS	-1.841	1.36E-17
CIDEA	2.901	3.04E-12	PTGFR	-1.840	1.23E-14
CLSPN	2.899	4.73E-106	PHYHD1	-1.840	2.36E-19
TRPV3	2.898	2.23E-36	ATF3	-1.840	2.19E-24
SNORD67	2.896	1.34E-18	FAM167B	-1.838	9.37E-62
CDH9	2.895	4.41E-05	VSTM4	-1.838	1.63E-27
GNAT3	2.894	7.76E-05	ACSM2A	-1.838	6.54E-06
AHSG	2.893	1.28E-16	CCDC151	-1.837	8.00E-16
B3GALT5	2.893	4.21E-17	ZEB1	-1.836	3.21E-50
LINC01258	2.890	1.03E-09	ZP2	-1.835	1.25E-06
CCDC169	2.889	1.86E-37	EVI2B	-1.835	1.22E-24
AC123768.1	2.889	2.08E-14	SLAIN1	-1.835	1.74E-21
EMX2	2.886	1.16E-09	LRRN4CL	-1.834	5.08E-24
MDGA2	2.886	4.09E-07	C16orf71	-1.833	1.00E-26
ADRA2B	2.885	2.79E-23	SLCO4C1	-1.833	5.67E-17
MIR5689HG	2.884	2.32E-10	NFATC2	-1.832	6.00E-25
TTYH1	2.884	2.44E-29	VIM	-1.829	2.45E-34
TMEM79	2.884	1.42E-76	ELN	-1.829	9.60E-15
ADARB2-AS1	2.883	2.05E-11	AC079061.1	-1.828	8.41E-08
TRIML2	2.882	2.59E-10	AL158071.2	-1.827	1.88E-20
SPEM1	2.880	2.49E-10	HLA-DQB1	-1.827	4.98E-19
KCNQ5	2.880	1.45E-38	HCCAT5	-1.826	1.08E-10
CHEK1	2.879	8.13E-196	HDC	-1.825	5.36E-19
CTHRC1	2.877	1.53E-61	PAG1	-1.825	1.03E-39
HIST1H4E	2.876	2.94E-36	PLSCR4	-1.824	7.71E-45
CALN1	2.876	1.27E-09	CD1C	-1.824	1.22E-17
MYO3A	2.875	4.42E-15	HIF3A	-1.823	1.10E-09
FAM83C-AS1	2.872	1.96E-27	CYP1B1-AS1	-1.823	1.17E-25
OPRK1	2.872	1.14E-13	CRY2	-1.823	3.57E-98
LINC01494	2.871	3.65E-11	ETS1	-1.821	6.63E-31
AHNAK2	2.870	8.71E-35	LINC02345	-1.821	2.14E-15
C6orf222	2.869	5.70E-19	KNCN	-1.821	8.34E-05
NRCAM	2.868	6.93E-29	OR5P2	-1.821	1.99E-05
PYCR1	2.867	5.76E-87	PTGER2	-1.820	1.67E-20
DYNC1I1	2.866	1.51E-42	SIRPB2	-1.819	4.77E-25
KIF5A	2.862	4.17E-30	CD74	-1.819	7.72E-26
MAEL	2.862	3.06E-12	ANKRD44	-1.819	2.12E-43
PSG8-AS1	2.861	3.39E-06	EXD1	-1.817	2.01E-20
LINC00319	2.860	1.82E-10	PPP1R15A	-1.816	1.54E-44
CYP4F8	2.859	6.18E-09	CAV2	-1.816	1.42E-38
EPHB3	2.856	4.96E-62	FOXJ1	-1.814	1.21E-07
ITGB4	2.855	1.53E-70	PDZD3	-1.814	7.21E-15
AC005906.2	2.854	2.12E-07	NPY1R	-1.813	8.44E-09
PRAP1	2.853	8.57E-23	SPAG8	-1.812	7.63E-22
LINC00460	2.850	1.55E-14	PLEKHB1	-1.812	3.94E-14

IGFBP3	2.848	5.09E-38	DNM3	-1.812	1.77E-27
TUSC7	2.848	5.12E-04	LAIR1	-1.812	7.84E-27
SCN8A	2.846	1.26E-52	SPTLC3	-1.811	8.00E-18
LINC02105	2.845	8.27E-09	DPYS	-1.808	3.04E-12
UGT2B11	2.844	1.12E-04	XAGE3	-1.808	9.36E-05
PLEKHG6	2.843	1.36E-74	CCDC54	-1.807	2.76E-16
BIK	2.841	4.57E-62	RUNDC3B	-1.807	1.02E-19
PLEKHN1	2.838	9.71E-54	HLA-DQB2	-1.806	7.82E-16
CPN1	2.837	1.39E-06	HACD4	-1.806	1.94E-38
WNT10B	2.835	1.21E-26	GALNT15	-1.806	7.40E-16
LINC02499	2.831	4.80E-04	MS4A4A	-1.805	3.58E-22
AL451062.1	2.828	6.19E-12	MIR23B	-1.805	1.06E-05
NDST4	2.827	9.66E-05	NPY6R	-1.804	1.92E-10
SPTBN2	2.827	3.33E-97	EIF4E3	-1.804	6.07E-52
BTBD17	2.825	3.39E-07	ACSM2B	-1.804	1.76E-04
LINC01116	2.825	1.49E-31	UNC13D	-1.804	5.70E-23
C11orf44	2.825	9.73E-08	ARHGAP20	-1.803	1.31E-18
SUSD4	2.824	1.45E-43	CBX7	-1.803	5.47E-63
ST8SIA6-AS1	2.824	7.53E-10	AQP2	-1.803	1.31E-05
LCE5A	2.821	2.06E-08	CXCL12	-1.801	4.00E-21
AC011369.1	2.820	3.45E-09	ZNF781	-1.800	2.56E-22
EDDM13	2.817	2.73E-30	CSF1	-1.799	2.02E-36
LINC00492	2.815	3.16E-13	LILRB5	-1.799	1.47E-21
ALOX12B	2.812	5.33E-20	GPR65	-1.798	7.19E-24
WISP3	2.810	4.44E-19	LPAL2	-1.798	2.06E-24
CGB7	2.809	3.19E-38	SLA	-1.796	8.65E-26
KRTAP10-2	2.809	4.46E-08	TLR7	-1.795	1.27E-19
CXorf67	2.806	7.86E-08	ZNF423	-1.795	1.74E-20
HMGA1	2.806	9.03E-154	CTGF	-1.794	2.70E-23
TRIM9	2.805	2.21E-28	RNF125	-1.793	3.30E-42
RAC3	2.805	1.45E-65	NHSL2	-1.793	6.34E-24
ADAD2	2.803	1.40E-30	NHSL2	-1.793	6.34E-24
INHA	2.802	1.22E-33	SMIM10	-1.793	1.16E-29
NAT16	2.802	2.57E-11	AP001122.1	-1.792	1.24E-03
POF1B	2.801	5.04E-31	AP001122.1	-1.792	1.24E-03
SMIM24	2.801	3.72E-23	ZNF385D	-1.792	1.15E-20
GPT2	2.801	1.19E-90	FCGR3A	-1.792	1.76E-22
FANCB	2.797	1.96E-123	SDC4P	-1.790	2.06E-05
PSG8	2.795	5.81E-05	UBL3	-1.790	1.49E-78
PCSK1	2.795	5.37E-29	DOCK2	-1.790	3.77E-24
CLSTN2-AS1	2.795	6.33E-11	REPS2	-1.790	1.38E-47
GUCA1C	2.792	3.41E-05	KIR3DL2	-1.789	1.95E-10
TMPRSS4-AS1	2.790	1.32E-18	CADM3	-1.786	3.24E-11
GS1-24F4.2	2.790	6.05E-16	LINC00996	-1.785	1.40E-20
EPO	2.789	2.59E-19	PCOLCE2	-1.785	1.59E-15
SPINK7	2.788	4.60E-10	FGF14	-1.785	1.86E-14
TSACC	2.788	1.93E-70	ADAMTS9	-1.785	4.65E-23
CALML6	2.785	1.18E-28	LINC00028	-1.784	1.93E-07
AL049830.3	2.784	4.11E-21	APOA1	-1.783	1.30E-09
MESP2	2.782	2.15E-25	RHOB	-1.782	2.09E-39
AC087380.1	2.779	6.75E-09	AP001107.9	-1.782	2.62E-58
SLC9A3-AS1	2.778	2.04E-37	IL17D	-1.782	3.72E-37
GRHL1	2.778	4.21E-71	LIMD1	-1.781	1.91E-126
LINC00237	2.777	4.57E-07	TSC22D3	-1.780	8.74E-32
CBR3	2.774	2.96E-33	RCSD1	-1.779	1.55E-25
NBPF6	2.773	2.00E-06	CCR1	-1.779	2.41E-24

BCAN	2.772	1.50E-21	PRICKLE2	-1.778	1.08E-38
LINC01976	2.772	3.28E-07	ANPEP	-1.778	6.41E-24
LINC02535	2.772	9.80E-18	CRLF2	-1.778	1.07E-15
CLDN10	2.771	8.80E-21	CRLF2	-1.778	1.07E-15
LPO	2.771	1.05E-22	LINC02018	-1.777	5.54E-30
TMEM145	2.770	6.79E-29	LINGO4	-1.776	2.12E-10
SRXN1	2.769	9.51E-29	ITGAM	-1.776	9.65E-21
LINC00885	2.767	5.07E-36	LINC01558	-1.776	1.65E-16
UGT8	2.767	3.50E-33	GDF3	-1.775	3.74E-09
HIST1H2BE	2.760	8.01E-23	APOL3	-1.775	2.34E-26
TCERG1L	2.757	8.90E-11	PRTN3	-1.774	1.70E-07
PTGES3L-AARSD1	2.757	7.98E-26	HPCAL1	-1.774	4.66E-71
HIST1H1D	2.757	7.42E-27	TIMD4	-1.774	1.59E-10
GALR3	2.757	2.44E-12	LMCD1	-1.774	2.27E-49
TENM4	2.756	4.26E-55	DNM1P46	-1.773	6.67E-18
HASPIN	2.752	5.12E-111	CASKIN2	-1.772	2.72E-73
AL136981.1	2.751	9.66E-06	LIF	-1.771	3.06E-16
HIST1H2BB	2.750	7.09E-13	WASF3	-1.770	6.60E-22
TFF1	2.749	7.18E-12	AC002070.1	-1.770	2.18E-33
C6orf141	2.749	2.44E-24	WDFY3-AS2	-1.770	6.03E-46
TMEM247	2.748	7.11E-04	EXOC3L1	-1.770	3.27E-86
POMC	2.748	5.04E-21	IRAK3	-1.769	1.04E-25
CD177	2.747	9.53E-17	RADIL	-1.769	3.97E-20
MAGEA8	2.746	1.01E-15	NFIA-AS2	-1.769	1.01E-12
SLC30A3	2.746	1.47E-19	TNS3	-1.768	7.26E-33
CNTN2	2.745	1.21E-12	SLC22A4	-1.768	3.71E-30
AC022784.1	2.745	2.24E-18	LINC01267	-1.768	3.08E-12
AC022784.1	2.745	2.24E-18	ABCG2	-1.768	8.20E-17
ADM2	2.745	1.41E-54	SEMA3E	-1.767	2.62E-07
CELSR2	2.744	4.27E-69	LINC02056	-1.767	3.90E-08
PERM1	2.744	1.26E-49	LIN7A	-1.766	2.64E-13
NQO1	2.743	1.27E-26	LRRC19	-1.763	3.66E-14
RHBDL1	2.742	5.24E-48	LINC01266	-1.763	5.05E-15
ACRV1	2.742	1.34E-51	MIR3117	-1.763	1.15E-06
NEU2	2.741	1.56E-04	ITPR1	-1.762	1.31E-50
C3orf67	2.741	1.60E-66	MPIG6B	-1.762	4.37E-17
AL033527.2	2.741	2.08E-15	JUND	-1.761	1.52E-60
IRF6	2.738	2.36E-90	HYAL2	-1.760	2.85E-118
BLM	2.737	2.70E-135	LINC02158	-1.759	9.05E-18
LINC02095	2.737	3.12E-05	SAMHD1	-1.756	5.10E-45
MYL7	2.736	4.22E-10	ACTG2	-1.755	5.30E-17
LINC00501	2.735	6.73E-13	SENCR	-1.754	1.59E-23
FAM71E2	2.735	9.72E-07	EGR3	-1.754	1.94E-17
CDX1	2.733	1.65E-26	HLA-V	-1.753	1.93E-12
LINC00504	2.732	2.99E-19	RILP	-1.753	6.26E-65
LINC02125	2.731	6.45E-04	ID4	-1.753	1.68E-16
PRR35	2.728	9.04E-10	LINC01915	-1.752	2.44E-13
CDCA4	2.727	2.42E-136	CCDC65	-1.751	3.85E-34
HOXB8	2.727	1.59E-19	MIR6075	-1.749	7.45E-05
CCDC197	2.727	3.09E-08	ZNF728	-1.749	2.38E-05
GLYATL1	2.727	2.88E-15	FAM19A1	-1.749	8.16E-13
AC108002.1	2.726	1.80E-40	BANCR	-1.748	5.59E-06
AC087499.3	2.726	2.10E-12	AC011379.2	-1.746	8.62E-18
LINC02042	2.726	8.46E-11	LTBP2	-1.745	8.04E-29
RBAKDN	2.723	3.38E-13	DNAJC5B	-1.744	7.49E-16

AZGP1P1	2.722	7.98E-06	CAPN3	-1.744	1.10E-24
C3orf30	2.722	2.35E-08	KIAA1211L	-1.743	7.00E-19
KDM4A-AS1	2.721	2.71E-51	PREX1	-1.743	2.74E-34
NDUFA4L2	2.719	5.10E-31	NEBL	-1.743	6.96E-29
PLAU	2.719	2.48E-44	HBEGF	-1.742	2.58E-20
CES5A	2.718	1.13E-08	OTUD1	-1.741	9.71E-54
ZNF723	2.716	1.33E-03	LINC01847	-1.741	4.80E-03
TEX35	2.714	4.23E-13	SOX18	-1.740	1.13E-25
HIST1H3I	2.713	3.10E-10	KAT2B	-1.740	1.19E-63
FABP9	2.711	1.65E-10	C4A	-1.740	1.24E-14
AC026250.1	2.710	2.50E-56	C4A	-1.740	1.24E-14
AC092142.1	2.708	6.26E-33	LAMB2	-1.739	1.24E-52
AC007966.1	2.706	1.35E-23	MBIP	-1.739	1.18E-53
CTXN3	2.706	6.19E-12	HLA-E	-1.739	3.84E-60
SKP2	2.706	7.69E-103	BMP6	-1.739	2.41E-15
RAB26	2.705	1.35E-40	CATSPER1	-1.739	1.17E-14
KCTD1	2.702	9.94E-67	PAQR5	-1.738	1.89E-23
LINC01289	2.700	3.42E-07	OR52B6	-1.738	1.07E-03
SFN	2.700	2.18E-47	CRISP2	-1.738	5.12E-05
POLE2	2.700	1.23E-105	RBMXL2	-1.737	2.96E-10
SYNGR4	2.698	2.30E-20	PODN	-1.737	7.19E-21
FLJ16779	2.698	2.10E-17	ADGRL2	-1.737	3.43E-27
AC003001.1	2.697	3.10E-09	TTC21A	-1.737	5.04E-33
WASF1	2.696	2.83E-55	PITPNM2-AS1	-1.736	3.15E-14
LINC00184	2.695	7.18E-21	MATN3	-1.736	6.61E-14
ATOH1	2.695	5.84E-05	CNTN4	-1.735	9.57E-14
FRMD7	2.694	6.44E-10	NFAM1	-1.735	1.21E-22
HSD17B3	2.694	5.75E-22	BTBD9	-1.734	4.75E-63
PANX3	2.693	1.86E-04	AC109927.1	-1.733	1.11E-10
AL449403.2	2.693	3.12E-06	P2RY13	-1.732	6.98E-19
HIST1H3H	2.692	5.04E-37	LINC01799	-1.731	8.22E-07
BMS1P22	2.692	3.06E-15	PRF1	-1.731	1.57E-20
MLLT11	2.692	1.85E-48	ZNF540	-1.731	7.33E-30
ADAMTS18	2.692	1.28E-16	KIAA1456	-1.730	2.55E-12
ADAM12	2.691	2.88E-42	PRICKLE2-AS3	-1.730	6.12E-12
MARK1	2.686	1.00E-82	DNAAF3	-1.729	1.58E-11
GATA4	2.686	8.48E-10	CRIP2	-1.729	1.05E-19
LINC02071	2.682	2.37E-09	ADAMTSL2	-1.729	7.47E-28
DNMT3B	2.682	1.51E-56	TMEM220-AS1	-1.729	2.35E-33
NKAIN3	2.681	8.24E-07	IFT57	-1.729	2.74E-66
SLC8A2	2.680	1.10E-17	TNFSF14	-1.727	6.21E-23
FZD9	2.679	9.86E-30	AC106881.1	-1.727	8.65E-20
CXXC1P1	2.678	3.35E-09	SEMA3B-AS1	-1.726	1.60E-21
RUNDC3A	2.675	1.01E-25	LINC02218	-1.726	4.77E-04
TMEM202	2.672	7.92E-03	LTA4H	-1.726	7.26E-96
OR11H7	2.671	5.15E-26	THBS1	-1.726	4.77E-21
CLEC3A	2.671	1.80E-04	TPPP	-1.726	2.44E-16
DEPDC7	2.671	2.99E-52	C1orf198	-1.726	1.88E-120
ACVR1C	2.670	6.08E-46	PMP22	-1.725	9.25E-36
TMEM117	2.670	2.61E-82	CD37	-1.725	2.94E-22
TONSL	2.669	7.29E-105	DPPA3	-1.725	4.55E-04
SERPINE2	2.669	1.01E-41	ASB5	-1.724	6.21E-05
CYP2S1	2.669	1.89E-35	IL2	-1.724	7.62E-13
IL31	2.668	3.49E-04	STON1-GTF2A1L	-1.724	2.81E-16
LRFN2	2.668	3.09E-12	DUSP8	-1.724	1.38E-28

ALOX12P2	2.668	2.71E-41	TMEM255B	-1.724	8.15E-39
PAQR9-AS1	2.667	1.55E-08	TAT-AS1	-1.723	1.09E-12
CXCL6	2.667	1.88E-14	HORMAD2-AS1	-1.723	5.56E-10
OR52L1	2.665	3.66E-08	APOC4-APOC2	-1.723	3.53E-10
MIR6870	2.665	6.34E-09	OVCH1-AS1	-1.723	1.14E-08
TM4SF1-AS1	2.664	7.28E-25	ZFP2	-1.722	4.89E-29
HIST1H4B	2.664	6.63E-16	NR1H4	-1.722	6.78E-04
GRIP1	2.664	1.18E-40	KLHDC7A	-1.721	7.45E-08
FLJ42969	2.663	2.08E-21	JDP2	-1.720	2.61E-46
AC090403.1	2.661	1.52E-07	GJB1	-1.720	1.55E-05
AC090403.1	2.661	1.52E-07	CR1	-1.720	1.75E-15
AC011840.1	2.661	4.49E-03	SLC6A12	-1.719	1.49E-20
GRM7-AS3	2.660	1.80E-07	KCNJ15	-1.719	1.10E-19
SCN5A	2.659	8.97E-23	IFITM2	-1.719	4.30E-33
LINC02119	2.657	1.98E-05	C2orf54	-1.718	1.63E-12
B3GNT4	2.653	5.73E-60	SOX7	-1.718	3.55E-17
CLDN20	2.652	6.72E-20	PALMD	-1.718	8.49E-23
SNHG4	2.650	7.19E-64	SCGB2A1	-1.717	2.17E-06
FOXI1	2.650	1.43E-07	ARFGEF3	-1.717	4.57E-30
LINC02416	2.649	1.57E-27	CAB39L	-1.716	2.00E-34
FUT5	2.648	1.17E-08	SNTB1	-1.716	2.05E-21
AC090673.1	2.647	3.51E-36	PRR29-AS1	-1.716	5.07E-12
LINC01665	2.646	1.83E-03	PXMP4	-1.716	1.83E-57
LINC01063	2.645	8.54E-40	LDLR	-1.715	8.09E-32
ZBTB8B	2.644	3.00E-15	AKAP13	-1.715	8.90E-71
TTBK1	2.644	2.65E-27	PWAR6	-1.715	7.31E-21
SNORA14B	2.640	4.14E-33	PDYN-AS1	-1.713	6.03E-08
LCE2D	2.640	6.63E-04	IFNA5	-1.711	2.47E-04
PHF21B	2.640	7.95E-15	AP000223.1	-1.711	9.08E-20
NRXN1	2.639	7.23E-11	MUC15	-1.710	9.07E-11
LINC01158	2.639	6.60E-04	CYP2F1	-1.709	2.02E-04
MIR6835	2.638	5.74E-19	FAM174B	-1.709	7.09E-24
GPRIN1	2.638	6.58E-67	RGL3	-1.708	1.24E-11
TNFSF11	2.638	1.06E-30	PHACTR3	-1.708	6.63E-09
SLC16A9	2.638	3.47E-29	MIR573	-1.708	7.89E-27
RBBP8NL	2.637	9.05E-64	CD160	-1.707	2.34E-27
AC091153.3	2.635	8.55E-32	NR2F2-AS1	-1.706	4.22E-24
AMH	2.634	6.57E-18	WDR93	-1.706	4.61E-19
HYPM	2.634	2.38E-04	TPK1	-1.705	2.15E-51
NCOR1P1	2.632	7.65E-03	MYO1A	-1.705	1.57E-20
PHF24	2.631	2.52E-17	ADCY9	-1.705	6.95E-58
AC020928.1	2.631	1.03E-16	RTL3	-1.705	2.98E-12
INHBE	2.631	4.77E-28	LY86-AS1	-1.704	1.36E-10
DTL	2.630	4.46E-108	PKIG	-1.704	1.31E-45
ERFE	2.629	1.25E-33	VSIR	-1.704	3.97E-39
LEP	2.628	1.17E-13	GRAP	-1.704	8.03E-28
NPFFR2	2.625	2.06E-07	RGS18	-1.703	3.80E-19
S100A8	2.625	7.35E-14	TNFAIP8L3	-1.702	1.41E-28
LINC00698	2.625	1.13E-10	TBXA2R	-1.701	7.06E-42
HBBP1	2.624	2.38E-06	STK33	-1.701	1.92E-18
AC122710.2	2.624	3.31E-15	PCDHAC1	-1.698	1.94E-11
LGR5	2.623	3.37E-13	MYO5C	-1.698	2.97E-30
SHCBP1	2.623	1.74E-130	FMN1	-1.697	3.45E-26
FAM84A	2.621	1.01E-44	MRGPRF-AS1	-1.697	6.29E-12
AXDND1	2.619	3.94E-16	ZNF331	-1.696	8.50E-33
SLC16A1	2.619	3.12E-68	MYO1F	-1.695	7.31E-30

C20orf141	2.618	3.57E-06	RTN1	-1.695	2.14E-14
MRGPRG-AS1	2.618	3.35E-04	CD244	-1.695	5.55E-19
PRRX2	2.617	5.07E-40	PWAR1	-1.695	4.83E-08
NOS2	2.615	2.50E-12	CAVIN1	-1.693	2.76E-36
IQCJ	2.615	3.00E-06	GAB3	-1.692	2.32E-32
FOXB1	2.614	5.38E-12	AC000036.1	-1.691	5.59E-07
GRIK2	2.614	3.29E-16	ZNF705A	-1.689	2.26E-12
LINC01511	2.613	1.93E-09	KIAA0040	-1.689	5.66E-38
SMCR2	2.611	7.50E-16	CEP126	-1.688	3.66E-26
DEFB1	2.611	5.97E-14	AL022068.1	-1.686	4.58E-11
IL12RB2	2.610	5.61E-29	ZMYND12	-1.686	1.78E-20
RTL1	2.609	4.51E-05	LINC01649	-1.686	7.18E-10
LINC00337	2.608	2.43E-32	SLC15A3	-1.685	6.05E-28
MPPED2	2.608	9.69E-21	AC092118.1	-1.684	3.23E-10
GRXCR2	2.607	1.43E-11	SIGLEC9	-1.684	2.65E-25
HIST1H2BJ	2.607	4.51E-34	CTSO	-1.684	2.41E-49
FSCN1	2.604	1.85E-62	AC139713.2	-1.683	4.81E-09
IGF2BP2	2.602	5.34E-40	ZCCHC24	-1.683	1.68E-34
OGFRP1	2.601	1.38E-81	HEYL	-1.682	8.80E-33
ARL9	2.598	6.75E-33	FCER1G	-1.682	2.50E-25
CENPK	2.597	4.21E-98	CNR1	-1.682	7.37E-09
WASIR2	2.597	6.12E-20	GNGT2	-1.681	7.81E-29
HPCA	2.597	1.49E-36	GPM6B	-1.681	1.91E-26
HIST1H2AH	2.597	1.14E-16	AL138828.1	-1.681	1.30E-07
TMEM114	2.596	2.59E-09	LAMA2	-1.681	1.69E-21
MRLN	2.595	9.12E-08	IL6R	-1.679	1.55E-33
KRT1	2.595	4.45E-11	OR52N4	-1.679	7.81E-12
AADACL3	2.594	6.17E-03	ARHGEF38-IT1	-1.679	9.84E-09
FOXC2-AS1	2.593	5.77E-07	FSTL3	-1.679	3.52E-17
AC010307.2	2.593	1.69E-18	ROBO2	-1.678	5.80E-13
PRDM12	2.593	2.44E-19	RAPGEF3	-1.677	1.79E-25
KCNB2	2.592	3.20E-11	LINC00563	-1.675	1.65E-07
KCNN1	2.592	7.62E-22	SULT1A1	-1.675	7.58E-28
LINC01587	2.590	2.65E-15	DIXDC1	-1.675	1.68E-48
SLC9A3R1	2.590	2.49E-60	ARHGEF26	-1.674	4.07E-18
GMNC	2.590	1.76E-07	FAM183A	-1.673	6.63E-14
TREML3P	2.589	1.46E-12	THEMIS2	-1.673	1.79E-27
AC016888.1	2.589	4.16E-46	MGARP	-1.670	8.51E-16
CDSN	2.588	4.82E-10	LINC01708	-1.669	2.64E-04
OR10S1	2.588	2.53E-04	MIRLET7D	-1.669	7.42E-12
HMGB3	2.587	5.84E-69	MUC22	-1.669	2.46E-05
LINC02544	2.587	3.25E-25	KCNN2	-1.669	6.62E-20
SLC7A3	2.587	2.60E-10	OSR1	-1.669	1.69E-17
DSCC1	2.585	5.48E-118	PLPPR3	-1.668	6.15E-07
LINC01775	2.584	3.40E-22	TNFAIP8L2	-1.668	3.84E-26
UGT2A3	2.584	9.64E-05	PRKG1	-1.668	1.18E-25
CDK5R1	2.584	1.77E-73	GAS6	-1.668	1.01E-27
LINC00705	2.581	2.58E-10	LAT2	-1.667	2.81E-30
TUBA3C	2.580	5.53E-06	FGF7	-1.667	2.45E-15
AC012494.1	2.580	4.84E-08	CALCOCO1	-1.666	2.57E-74
KLHL13	2.580	2.78E-36	GOLT1A	-1.666	2.69E-08
MC4R	2.578	9.69E-15	CEP112	-1.666	4.13E-32
RAB6B	2.578	8.27E-23	AC005264.1	-1.666	8.84E-25
COL9A1	2.577	3.68E-12	SNRK	-1.664	1.60E-135
PLK4	2.575	7.81E-151	FILIP1L	-1.663	3.60E-28
GAREM2	2.574	1.26E-69	RAB27A	-1.663	2.64E-57

GGH	2.573	2.13E-69	WWC1	-1.663	1.98E-47
AC099506.1	2.571	5.28E-09	IRF8	-1.663	1.03E-18
LINC00303	2.571	1.14E-07	GNG2	-1.662	9.02E-29
GJB7	2.571	2.40E-27	NPC2	-1.661	3.99E-43
LINC00552	2.571	6.79E-08	CACNB4	-1.661	2.58E-14
HOXB7	2.570	8.90E-49	IGIP	-1.661	6.32E-60
FER1L6	2.570	9.71E-14	TREH	-1.660	1.25E-12
EVX1-AS	2.568	1.79E-05	AC124242.1	-1.660	4.26E-36
Z97206.2	2.568	1.04E-10	TACC1	-1.660	2.82E-28
SRSF12	2.567	2.64E-43	PGAM1P5	-1.659	5.08E-21
HIST1H2BL	2.567	2.81E-27	LINC01783	-1.659	8.31E-08
KRT36	2.567	5.82E-17	FAT3	-1.659	1.55E-08
SUN3	2.567	3.38E-14	LINC02410	-1.658	2.77E-03
CCNF	2.567	7.10E-149	CDK15	-1.658	5.84E-22
AC006145.1	2.567	1.01E-04	CD300LB	-1.657	1.18E-19
ULBP2	2.566	6.73E-32	CTNND2	-1.657	7.30E-05
FAM57B	2.564	3.49E-22	MPEG1	-1.657	2.85E-21
APELA	2.563	9.85E-20	TBXAS1	-1.657	6.21E-29
LINGO2	2.563	5.60E-14	MIR4715	-1.656	9.00E-03
SLC29A4	2.563	3.09E-38	LAMA4	-1.655	1.03E-28
VWDE	2.562	1.14E-22	P2RX7	-1.655	1.59E-25
KRTAP19-5	2.561	1.95E-03	CACNG4	-1.654	1.92E-07
LINC01979	2.560	2.82E-17	ASZ1	-1.654	1.09E-03
AC006065.4	2.559	3.21E-04	CCDC78	-1.653	1.33E-12
FGF12-AS2	2.559	3.04E-10	WWC2-AS2	-1.651	1.61E-23
LINC01117	2.558	3.37E-23	VASH1	-1.650	2.06E-39
LINC01805	2.557	1.19E-09	LRCH2	-1.650	1.34E-15
LINC00972	2.557	3.75E-04	TM4SF4	-1.650	6.37E-06
NUDT10	2.555	1.09E-17	CEACAM6	-1.649	1.31E-07
PHOX2B	2.555	4.52E-03	TNIP3	-1.649	1.70E-10
TGFBR3L	2.555	2.41E-25	AP002518.1	-1.649	1.40E-09
LINC01707	2.553	2.45E-07	TPSG1	-1.648	4.83E-15
TGM7	2.553	9.70E-07	FCGR1B	-1.648	5.27E-20
RASGEF1C	2.553	1.79E-13	WNT9B	-1.648	1.10E-12
GH2	2.552	2.41E-03	MST1L	-1.648	3.33E-14
PAQR9	2.551	3.84E-09	GBP4	-1.648	5.26E-19
PNMA6E	2.551	3.01E-04	PLPP3	-1.648	9.75E-55
C5orf34	2.551	1.58E-106	WDR86-AS1	-1.647	8.46E-10
FER1L4	2.549	1.01E-27	CRB1	-1.647	7.12E-08
CRYBB3	2.548	1.90E-32	LATS2	-1.647	1.32E-56
LUZP4	2.547	1.21E-04	AC073130.1	-1.646	1.06E-16
GPR1-AS	2.545	1.48E-05	SGSM1	-1.646	4.93E-12
LRRC15	2.545	3.95E-22	CDKL1	-1.646	2.10E-36
GABRE	2.543	6.05E-27	GPR162	-1.645	5.13E-24
DNA2	2.542	1.69E-118	DUSP6	-1.644	6.00E-21
LINC02225	2.540	5.58E-08	LINC00643	-1.643	5.68E-09
CU634019.6	2.539	1.54E-15	SLC6A1-AS1	-1.643	3.05E-09
AGMO	2.538	2.54E-17	CCL13	-1.641	5.44E-11
AC006487.1	2.538	2.33E-12	GRM3	-1.641	2.63E-12
PRR5-ARHGAP8	2.537	1.71E-35	SEC14L4	-1.641	6.45E-12
S100A9	2.536	2.98E-15	DNAH3	-1.641	1.32E-14
DCAF12L1	2.536	1.73E-03	P2RX1	-1.640	3.46E-17
TEX37	2.535	1.50E-05	RAPGEF4	-1.640	2.65E-37
RDH8	2.535	2.57E-07	FGD2	-1.639	1.57E-22
NGFR	2.535	5.00E-19	FAIM2	-1.638	7.73E-14

GREB1L	2.535	6.79E-22	PEG3	-1.638	2.17E-10
FAM159B	2.530	2.74E-13	FAM149A	-1.637	1.14E-22
CCDC166	2.529	7.53E-10	LINC02202	-1.637	1.06E-25
MTFR2	2.528	7.40E-107	LINC01565	-1.636	1.27E-05
NPTX2	2.526	5.18E-16	TBX2-AS1	-1.635	4.34E-16
ABCB6	2.525	2.86E-54	CLEC4G	-1.634	5.96E-09
LINC02050	2.524	6.66E-03	PROS1	-1.634	1.17E-24
LAD1	2.524	7.62E-76	SMAD7	-1.634	8.08E-41
LINC01269	2.524	2.74E-17	MYOZ3	-1.633	1.97E-17
KPNA2	2.520	1.00E-138	SNED1	-1.633	1.36E-26
LINC01602	2.517	2.02E-07	ZDHHC15	-1.633	8.60E-13
MIR6745	2.517	1.39E-10	GAS7	-1.632	1.60E-22
PARD3-AS1	2.516	3.35E-28	FHAD1	-1.631	3.17E-14
TYMS	2.515	1.19E-92	FGD4	-1.630	2.57E-45
WNT10A	2.515	8.52E-19	SLC27A3	-1.630	9.71E-70
SLC6A17	2.515	1.29E-16	ZMAT1	-1.629	1.21E-15
NEURL1	2.511	6.11E-19	PCDHA3	-1.629	1.28E-09
TMEM88B	2.511	1.94E-13	FREM1	-1.628	1.19E-14
SLC4A3	2.510	3.60E-48	PPFIA2-AS1	-1.627	1.11E-06
MDK	2.507	2.36E-50	SLFN14	-1.627	2.68E-14
GAPDH	2.504	2.16E-104	NFKBIZ	-1.627	5.00E-21
DSC2	2.503	5.81E-49	CFAP70	-1.626	1.23E-17
ANO1-AS2	2.502	1.45E-07	ACSM1	-1.625	8.93E-18
TRIM59	2.502	8.88E-90	CARD16	-1.624	7.65E-48
C5orf46	2.502	5.89E-25	DCHS1	-1.622	4.81E-21
LINC00896	2.501	5.57E-25	AC100849.1	-1.622	3.01E-15
LINC00911	2.500	4.46E-04	RARA-AS1	-1.621	6.36E-52
CENPH	2.499	3.52E-122	PM20D1	-1.621	1.04E-14
CYP2C19	2.498	3.72E-08	CABP4	-1.621	3.35E-14
AC024475.4	2.497	2.56E-06	NNMT	-1.620	9.85E-19
C10orf120	2.497	2.06E-04	TREML1	-1.619	3.74E-19
SHISA8	2.497	1.24E-17	TTLL10	-1.619	2.75E-12
AC105219.4	2.495	1.54E-50	BLOC1S5-TXNDC5	-1.618	1.75E-14
MPP4	2.495	1.97E-16	ACSM3	-1.616	1.39E-15
HIST2H2BF	2.494	5.57E-31	SOCS2	-1.616	1.54E-17
OVOL1-AS1	2.494	1.52E-16	AC044797.1	-1.615	3.03E-06
TXNDC8	2.493	1.69E-06	PTPRC	-1.615	5.84E-18
ZP3	2.493	8.91E-56	EPDR1	-1.615	8.09E-20
HIST1H4D	2.493	8.55E-23	BIN2	-1.614	2.30E-22
ABCA13	2.493	1.41E-23	SRPX	-1.614	7.04E-14
RAD54B	2.491	4.62E-126	RIBC1	-1.614	2.17E-26
CHTF18	2.491	8.74E-83	CCDC96	-1.613	3.38E-29
DNMT3L	2.489	2.61E-04	TMEM243	-1.613	1.49E-65
LINC01959	2.488	1.01E-06	TLE2	-1.612	3.18E-19
AL139010.1	2.488	3.40E-04	LY6G6F	-1.612	2.35E-04
ANKRD22	2.487	9.98E-51	NRP1	-1.612	5.22E-34
COL20A1	2.485	1.19E-10	DIO1	-1.612	8.44E-15
CKS1B	2.485	3.18E-97	LIF-AS1	-1.612	1.02E-07
SPATA16	2.483	1.08E-04	RPH3AL	-1.611	5.26E-18
MAP6D1	2.483	4.26E-49	SLC16A6	-1.610	3.34E-25
MYCL	2.482	6.31E-30	MOCS1	-1.610	9.14E-30
LINC02261	2.481	1.35E-07	LRRC25	-1.610	6.37E-25
LINC02110	2.481	4.44E-05	SRGN	-1.610	2.01E-16
AC019064.1	2.480	1.67E-03	APOBEC2	-1.609	2.69E-10
ZNF560	2.479	1.51E-06	GRPEL2-AS1	-1.609	9.78E-19

PROC	2.479	6.18E-28	LAPTM5	-1.609	1.76E-22
LINC01173	2.477	2.68E-06	DOK7	-1.608	4.13E-12
SLC5A11	2.477	1.10E-14	GP5	-1.608	8.57E-16
SMCO1	2.477	1.45E-15	LINC01700	-1.607	2.35E-08
BCRP2	2.474	2.71E-12	IL16	-1.607	9.08E-23
CLCN2	2.473	6.57E-67	SORT1	-1.607	4.08E-40
FLRT1	2.470	3.72E-25	JADE1	-1.607	2.48E-57
AC106779.1	2.470	7.29E-21	MAP3K8	-1.606	5.02E-34
ACOT12	2.467	3.39E-07	RETREG1	-1.606	6.17E-23
KCNAB1-AS2	2.466	3.50E-05	ODF3L1	-1.605	1.96E-17
THEGL	2.465	1.88E-13	C19orf38	-1.605	1.62E-23
AL357143.1	2.465	5.60E-11	AC025822.2	-1.604	1.22E-11
TPD52L1	2.464	1.31E-49	AC008957.1	-1.603	2.54E-16
VSTM2B	2.462	5.05E-03	TSPAN13	-1.603	3.75E-36
LINC01344	2.461	2.84E-12	ITIH2	-1.603	5.17E-09
SPINK8	2.461	1.39E-07	HAGLR	-1.603	2.86E-19
SNAP91	2.461	1.40E-13	CDH10	-1.602	4.41E-05
SLC35G3	2.459	8.39E-08	FCGRT	-1.602	7.57E-54
TG	2.459	7.45E-27	PRKCQ	-1.600	2.24E-18
LNX1-AS1	2.459	9.55E-09	FAM107B	-1.600	2.51E-27
IL11	2.459	1.96E-27	MTHFD2P1	-1.600	2.61E-04
AL160408.1	2.458	6.95E-16	GSTA3	-1.600	1.39E-05
STYK1	2.457	9.91E-67	KIF13B	-1.599	1.91E-33
AC025524.2	2.457	1.23E-07	MIR27B	-1.599	1.26E-05
PHGDH	2.457	1.06E-50	ANKFN1	-1.599	6.22E-08
LINGO1	2.456	2.10E-23	SPATA6	-1.598	4.35E-29
PKLR	2.455	1.24E-10	C3AR1	-1.598	7.27E-19
FOLH1B	2.455	2.38E-09	PARM1	-1.597	1.12E-11
PLEKHG4B	2.454	3.29E-23	N4BP2L1	-1.597	1.42E-34
LINC02232	2.454	1.69E-05	APBB1IP	-1.595	2.63E-21
AC009501.1	2.453	6.95E-30	SIGLEC7	-1.595	7.74E-20
CILP2	2.451	6.06E-29	AL356056.2	-1.595	2.80E-16
S1PR5	2.451	5.16E-36	PLPPR4	-1.595	1.94E-19
ZNF670-ZNF695	2.450	1.66E-32	DNAH5	-1.594	1.20E-10
KLRF2	2.450	9.35E-08	ZBTB20-AS4	-1.594	1.84E-11
LINC01551	2.449	5.64E-03	RASSF3	-1.594	2.68E-61
MYCNUT	2.446	4.81E-05	APLNR	-1.593	1.84E-17
FAM86JP	2.446	3.16E-99	PNPLA6	-1.592	1.65E-79
GALR2	2.444	1.60E-18	PRDM5	-1.592	2.99E-28
GCLM	2.444	5.41E-29	SERTAD1	-1.592	1.14E-29
SLC12A9-AS1	2.442	1.45E-41	GNAQ	-1.591	8.46E-92
ADH1C	2.442	1.81E-08	SAMD4A	-1.591	2.15E-22
POM121L2	2.442	1.59E-09	VAMP2	-1.591	4.20E-71
TAAR1	2.442	1.43E-03	ZC3H12B	-1.590	2.63E-29
CCDC34	2.438	3.30E-101	ARHGAP30	-1.590	7.76E-34
TMPO-AS1	2.438	9.56E-94	AL034550.2	-1.589	6.75E-09
AIRE	2.436	3.99E-12	HNMT	-1.589	4.77E-25
C10orf62	2.436	7.65E-10	DAPK1-IT1	-1.588	6.07E-07
PNMA3	2.436	8.00E-19	PPP1R9A	-1.587	6.33E-11
SMO	2.435	2.25E-51	IL18RAP	-1.587	1.13E-16
TNNI3	2.435	9.04E-16	CYP4V2	-1.586	6.98E-35
GSX2	2.434	2.75E-04	CD22	-1.585	2.75E-11
BMS1P17	2.433	2.08E-08	RARA	-1.585	6.89E-65
PVT1	2.433	3.89E-72	FAM170B	-1.585	7.19E-07
LINC01386	2.431	3.02E-07	RRAS	-1.585	1.68E-31

RNF225	2.431	7.11E-23	HTR1F	-1.584	2.94E-16
PRSS27	2.430	1.96E-25	CTSE	-1.584	4.24E-06
RHBDL3	2.428	1.20E-17	PLCE1	-1.584	6.88E-23
SPATA3-AS1	2.427	7.34E-15	PRKCB	-1.584	5.18E-19
MAGED4B	2.427	1.46E-11	AGPAT4-IT1	-1.583	1.07E-15
DLX3	2.427	1.41E-19	C4B	-1.583	1.35E-13
VANGL2	2.426	4.09E-55	CPO	-1.582	1.80E-14
MTNR1A	2.425	8.70E-10	CDH19	-1.582	6.14E-05
TEX101	2.424	5.55E-13	MYH15	-1.582	5.87E-12
C8orf49	2.424	1.14E-05	ZNF835	-1.581	6.02E-14
MAGEB3	2.424	2.67E-03	STS	-1.581	9.20E-28
GOLGA8G	2.423	4.13E-05	LYL1	-1.581	9.38E-33
KCP	2.422	4.11E-28	SLC23A1	-1.579	2.13E-14
WDHD1	2.421	5.02E-138	NPY4R2	-1.579	9.14E-07
GPR50-AS1	2.421	1.06E-03	DDR2	-1.579	7.85E-20
LINC02551	2.421	1.37E-13	CYTL1	-1.579	4.89E-10
HBE1	2.419	3.38E-07	MIR222	-1.578	2.57E-07
TRAIP	2.417	6.61E-132	GYPA	-1.578	7.42E-04
HSF2BP	2.417	1.56E-55	DNAAF4	-1.577	6.92E-23
FRMD6-AS1	2.414	3.54E-46	CYSTM1	-1.575	7.09E-67
FAM222A-AS1	2.413	7.06E-19	MEF2C-AS2	-1.575	4.35E-03
OR51Q1	2.413	3.38E-04	PLN	-1.574	1.13E-09
PAEP	2.412	1.31E-12	SLC16A5	-1.574	2.94E-24
GCNT3	2.411	2.29E-16	CRTAM	-1.572	3.74E-15
LINC02560	2.410	1.03E-27	SELENOP	-1.571	9.86E-15
CHAF1B	2.409	1.16E-113	GAPLINC	-1.571	1.46E-17
LINC01876	2.409	2.27E-31	ERP27	-1.570	7.09E-12
IGSF11-AS1	2.409	9.33E-06	C8A	-1.570	4.75E-04
C8orf74	2.408	1.84E-06	C4orf32	-1.570	1.90E-29
RBP1	2.402	3.60E-25	CCDC102B	-1.570	2.10E-29
DRP2	2.401	1.30E-34	AIF1	-1.568	4.25E-24
SMOC1	2.400	8.52E-12	AC104809.2	-1.568	5.63E-06
LINC00534	2.399	5.58E-08	LINC01016	-1.568	1.36E-05
ITGB8	2.399	1.24E-47	MUC21	-1.567	3.34E-05
LINC01630	2.398	7.92E-07	TAPT1	-1.567	4.10E-89
MGC15885	2.398	5.07E-06	MPO	-1.567	5.56E-14
LINC01623	2.397	1.50E-07	RHOU	-1.565	4.02E-19
BHMT	2.396	4.66E-14	HLA-DQA1	-1.564	4.22E-14
AC004990.1	2.396	2.87E-13	FAM49A	-1.563	2.29E-30
ENTPD2	2.391	3.21E-24	USP30-AS1	-1.563	9.75E-17
SATL1	2.389	2.22E-06	EVA1A	-1.563	1.20E-12
SATL1	2.389	2.22E-06	CD4	-1.562	2.92E-22
FMR1-AS1	2.387	1.21E-13	LINC01146	-1.562	4.72E-13
MIA	2.385	1.11E-09	SLC16A11	-1.562	1.85E-17
CECR7	2.383	1.72E-15	PDGFB	-1.561	1.31E-25
DGKI	2.382	2.30E-22	MSRA	-1.561	2.06E-36
AC083902.2	2.380	7.85E-12	MAFF	-1.560	1.31E-35
LINC01546	2.380	4.19E-14	MYOM1	-1.560	4.13E-21
KCNH8	2.380	2.66E-17	ADCYAP1R1	-1.560	3.75E-09
MIR203A	2.379	8.14E-06	CFI	-1.560	8.44E-19
SHCBP1L	2.376	4.81E-04	LINC01954	-1.560	6.36E-07
AL161630.1	2.374	3.19E-05	P2RX2	-1.559	3.81E-06
DPP10-AS1	2.374	2.13E-07	FYCO1	-1.559	5.70E-68
SNORD15A	2.373	4.79E-10	LRRC43	-1.559	2.48E-16
LINC02068	2.373	6.84E-19	PABPC5	-1.558	4.10E-16
GRM1	2.372	1.82E-11	PARVG	-1.557	5.37E-23

C1orf74	2.370	3.39E-68	MIR6757	-1.557	2.80E-07
PRR19	2.369	1.17E-60	KLKB1	-1.557	5.98E-13
OBP2B	2.365	6.65E-05	PPP1R12B	-1.556	2.20E-28
POU3F4	2.365	7.80E-04	LINC02101	-1.556	3.50E-05
AC106795.1	2.365	1.15E-45	CXCL17	-1.555	2.92E-09
AC019080.1	2.365	5.03E-26	BPIFB1	-1.554	5.93E-04
PTGR1	2.364	3.09E-22	PRMT8	-1.553	1.26E-05
SLC16A8	2.363	2.13E-32	TDGF1	-1.553	6.87E-07
PLCH1-AS2	2.363	4.32E-08	KLRD1	-1.552	9.22E-16
DISP3	2.363	1.19E-12	EFCAB10	-1.552	3.83E-18
BDH1	2.361	4.60E-54	NDST1	-1.552	1.25E-53
KCNK12	2.361	1.97E-20	AC098613.1	-1.552	2.79E-18
CLDN10-AS1	2.360	2.20E-04	PTPRE	-1.551	7.67E-36
HECW1	2.359	6.40E-29	FCGR2A	-1.551	1.23E-20
LINC02055	2.359	2.72E-05	FCGR2A	-1.551	1.23E-20
SLC22A2	2.359	4.25E-07	ALPPL2	-1.551	9.75E-04
PAFAH1B3	2.359	3.29E-87	TMEM2	-1.551	5.03E-38
ZNF280B	2.357	4.96E-24	SLPI	-1.550	5.36E-10
EPHB1	2.357	4.26E-17	TMOD1	-1.550	4.51E-08
PKP3	2.355	4.65E-80	C1orf115	-1.550	5.98E-32
LINC01749	2.355	2.75E-06	ACOT1	-1.549	2.43E-29
MAFA	2.354	3.13E-16	HCST	-1.549	3.98E-21
MMP9	2.353	9.56E-23	AR	-1.549	7.41E-11
GTF2IP7	2.353	2.86E-24	DAB2	-1.549	1.66E-23
ADD2	2.351	1.27E-15	DAB2	-1.549	1.66E-23
ACTL6A	2.351	3.82E-89	LINC01504	-1.548	4.05E-15
RBP3	2.351	2.21E-11	IQGAP2	-1.548	5.33E-20
BBOX1	2.350	6.96E-20	LRRC63	-1.547	2.60E-12
RSU1P2	2.348	4.10E-05	PCDHGA2	-1.546	2.93E-16
LINC01356	2.348	1.73E-16	GPR39	-1.546	2.85E-09
SPATA31A6	2.347	1.04E-03	PTRH1	-1.546	8.65E-34
LINC02120	2.345	1.32E-06	LSMEM2	-1.546	2.75E-09
AC009292.1	2.345	2.12E-08	AL731567.1	-1.545	9.02E-14
ARGFX	2.345	1.89E-03	BTG2	-1.545	1.34E-35
KNTC1	2.344	1.35E-130	PRDM6	-1.544	2.38E-17
PTGES	2.344	2.33E-28	NAPSB	-1.544	1.83E-15
ADAMDEC1	2.344	1.30E-21	AL451164.1	-1.542	6.43E-03
CACNG5	2.343	4.17E-06	HS3ST2	-1.542	2.82E-10
GPR158	2.341	2.17E-18	MYO1G	-1.541	5.83E-19
LINC01989	2.339	2.47E-05	STXBP1	-1.540	3.66E-30
TMEM184A	2.338	2.15E-35	CD53	-1.540	5.61E-19
RACGAP1	2.337	1.57E-151	PLCB2	-1.539	6.64E-26
THOC3	2.336	1.32E-78	PTPRG	-1.539	1.91E-38
IL23A	2.334	8.00E-31	MACF1	-1.539	7.84E-42
LINC01539	2.333	7.16E-12	MACF1	-1.539	7.84E-42
ATP2A1-AS1	2.332	4.58E-38	S100A3	-1.539	7.02E-15
MTBP	2.332	2.49E-127	AKAP5	-1.539	1.69E-27
PLPP2	2.330	3.58E-64	LINC00989	-1.539	7.36E-08
SPIC	2.329	2.28E-06	DGKK	-1.538	1.68E-03
LINC01198	2.328	7.73E-05	PDE4D	-1.538	2.13E-34
SLC35D3	2.328	2.29E-11	WDR17	-1.537	6.31E-09
SPATA21	2.328	2.22E-07	PPARGC1A	-1.536	8.82E-09
FAM19A3	2.327	6.15E-15	PRKCZ	-1.536	8.38E-52
LINC01033	2.327	5.50E-08	CCL21	-1.535	1.94E-11
NPM3	2.326	1.56E-80	XPNPEP2	-1.535	1.87E-11
XXYLT1	2.326	7.86E-82	MDH1B	-1.535	5.32E-16

AL355338.1	2.326	5.80E-73	A2MP1	-1.535	7.85E-13
CEACAM5	2.325	4.50E-10	KLRB1	-1.533	2.46E-15
LINC02081	2.323	1.23E-21	PLCH1	-1.533	2.74E-16
AGMAT	2.323	3.60E-43	EPB42	-1.533	1.80E-20
C15orf48	2.323	2.54E-22	AP004608.1	-1.533	4.11E-04
FUT2	2.323	8.89E-36	GABRB2	-1.533	1.16E-06
CYYR1-AS1	2.321	1.87E-12	BTBD9-AS1	-1.533	3.02E-07
C9orf84	2.320	1.97E-39	RMDN2	-1.532	5.29E-40
AKR7A3	2.320	7.30E-23	RGL1	-1.532	3.08E-38
SNORD93	2.318	2.68E-17	ABRA	-1.532	1.17E-09
SIX3-AS1	2.318	9.26E-06	LINC01277	-1.531	7.54E-18
SLC52A1	2.317	2.27E-28	NFKBIA	-1.531	1.58E-32
FOXO6	2.315	6.54E-27	RGS9	-1.531	1.34E-16
LINC01501	2.314	3.92E-06	RGS9	-1.531	1.34E-16
SLC7A11-AS1	2.312	5.22E-12	CLEC10A	-1.530	1.08E-13
TIMELESS	2.312	2.05E-138	FAM238A	-1.530	7.54E-10
AC015712.6	2.311	1.28E-18	ACSL4	-1.530	2.48E-34
L1CAM	2.311	9.08E-14	ADAM33	-1.530	2.68E-14
VRTN	2.311	6.99E-06	SHANK3	-1.530	4.17E-44
ACTL6B	2.311	3.92E-07	NATD1	-1.529	2.76E-38
SUGCT	2.311	4.97E-33	CAMK2A	-1.528	4.52E-11
SLC38A4	2.309	1.97E-16	LINC01927	-1.527	1.20E-06
PINCR	2.309	3.83E-03	KIR3DX1	-1.527	3.76E-12
HIST1H1E	2.308	5.59E-24	CADPS2	-1.527	6.70E-23
AP000880.1	2.308	4.36E-21	BMPR2	-1.527	1.87E-64
LINC01179	2.306	8.76E-05	AL512590.3	-1.526	1.36E-16
C9	2.305	4.22E-13	MAPRE2	-1.526	7.01E-46
KRTAP1-1	2.304	5.66E-03	ADCYAP1	-1.524	2.91E-07
LINC01312	2.303	2.08E-04	LINC00305	-1.524	6.52E-03
ASNS	2.302	4.07E-57	ANKS1B	-1.523	6.72E-10
C4orf51	2.302	1.19E-09	SSTR4	-1.523	3.09E-03
FANCA	2.300	4.58E-96	SCGN	-1.522	2.34E-03
ADAM11	2.300	1.26E-27	WFDC13	-1.522	3.07E-06
KIF18A	2.299	4.97E-95	PLEKHO2	-1.522	3.29E-46
TH	2.298	2.25E-09	TXK	-1.521	1.29E-17
LYPD6	2.297	1.10E-25	TTPA	-1.521	7.77E-06
AC053503.2	2.296	1.04E-18	CASC2	-1.520	1.23E-33
LINC00485	2.295	2.96E-06	LINC00654	-1.519	9.64E-21
CELF5	2.295	7.00E-16	ZNF582-AS1	-1.518	6.19E-18
CCL25	2.293	7.95E-15	WNT7A	-1.518	2.97E-06
LINC00173	2.293	6.62E-24	IL18R1	-1.517	1.36E-21
BCAR4	2.290	4.87E-06	C1QC	-1.515	8.86E-17
ASCL1	2.290	3.42E-08	CFLAR	-1.515	3.48E-61
CCNE2	2.290	6.89E-65	MYL4	-1.515	8.14E-27
CPNE7	2.288	2.94E-23	AHNAK	-1.514	2.40E-29
TFAP2C	2.287	5.72E-64	KIF1C	-1.513	1.40E-60
CHRND	2.287	3.69E-08	GNMT	-1.513	7.23E-22
ANKRD30BL	2.286	1.29E-04	GNMT	-1.513	7.23E-22
CELSR3	2.285	1.23E-36	GIMAP2	-1.512	2.82E-20
LINC01812	2.285	4.41E-08	CMKLR1	-1.512	8.27E-17
STPG2-AS1	2.283	6.17E-06	ZCWPW2	-1.511	4.64E-54
ETNK2	2.282	4.55E-60	VAMP5	-1.511	5.84E-22
MCIDAS	2.281	1.36E-28	LPIN2	-1.510	1.39E-29
AC004835.1	2.281	3.00E-06	TLL1	-1.510	3.08E-11
HS3ST3A1	2.280	7.60E-27	MIR221	-1.509	1.43E-08
DGKB	2.279	2.20E-12	PLCL2	-1.508	4.99E-25

TM4SF5	2.279	3.22E-03	AC087071.1	-1.507	3.14E-11
LINC01449	2.279	1.78E-08	CFLAR-AS1	-1.507	1.15E-21
AIM2	2.278	3.96E-20	IGSF6	-1.507	4.05E-17
SHOX	2.277	4.01E-05	TRIB1	-1.506	3.69E-23
SHOX	2.277	4.01E-05	CXorf21	-1.505	8.07E-18
ATP6V1C2	2.277	5.48E-33	NHEG1	-1.505	5.48E-03
MIAT	2.276	6.28E-18	ZNF69	-1.505	1.70E-20
SIX4	2.276	1.90E-64	C12orf49	-1.505	3.48E-80
LINC00970	2.274	1.93E-07	AC125611.4	-1.505	9.80E-12
AC010478.1	2.274	2.55E-08	LINC01914	-1.505	6.53E-10
HHLA1	2.273	1.26E-05	LINC00908	-1.503	1.91E-12
CCNA1	2.273	1.38E-11	TNFSF12-TNFSF13	-1.503	1.60E-12
CHEK2	2.271	1.50E-108	SH2B3	-1.503	9.72E-33
RBM46	2.271	2.55E-05	C2-AS1	-1.502	1.18E-13
KRT10	2.270	2.53E-28	INSL5	-1.502	4.83E-04
AP000688.1	2.270	1.61E-21	C9orf116	-1.501	1.22E-19
ANKRD7	2.269	1.90E-18	PCDHGB6	-1.500	1.28E-16
UPK1A-AS1	2.269	4.56E-07	ARHGEF17	-1.500	4.52E-36
AC005808.1	2.268	7.57E-05	PLXND1	-1.499	1.38E-35
SMPD5	2.268	8.97E-25	NCOA7	-1.499	1.40E-22
ANKRD13B	2.268	3.52E-42	RASSF8	-1.499	4.61E-22
TMEM200C	2.267	2.73E-19	GALNT5	-1.499	9.73E-11
RPS10-NUDT3	2.267	6.24E-14	CACNG1	-1.498	1.94E-05
TPBG	2.265	2.22E-68	ARRDC2	-1.498	2.70E-43
IGLL1	2.263	1.57E-10	ABHD11-AS1	-1.497	1.06E-12
TMEM235	2.262	3.49E-06	NLRP14	-1.496	1.97E-10
OR1J1	2.261	8.82E-10	AC068594.1	-1.496	8.97E-11
LINC00458	2.259	8.05E-03	C10orf53	-1.496	5.01E-04
ZFHX4	2.259	1.55E-16	APOC1	-1.495	1.21E-11
RHBDL2	2.259	3.00E-34	HLA-DMB	-1.495	9.13E-16
HES6	2.258	5.71E-23	GLRX	-1.493	1.98E-21
FBLL1	2.256	1.98E-12	RGS2	-1.492	8.56E-20
ASB10	2.255	8.66E-05	TCF23	-1.492	1.79E-07
ATAD2	2.255	4.77E-128	MFSD7	-1.492	6.40E-25
PITX3	2.254	5.00E-16	EMP3	-1.491	2.88E-27
CA7	2.253	5.35E-09	STOM	-1.491	1.23E-39
FEN1	2.253	9.94E-129	VAV3-AS1	-1.491	2.29E-05
SLC25A10	2.253	2.25E-76	DPP4	-1.491	9.05E-10
STEAP1	2.251	3.91E-41	ZBTB47	-1.488	5.54E-54
MTCL1	2.249	1.87E-40	SASH3	-1.488	8.02E-18
RNASEH2A	2.248	6.59E-95	MYH11	-1.488	1.26E-06
PMAIP1	2.248	1.92E-53	ADA2	-1.487	3.03E-18
KRT19	2.248	1.02E-35	TSNAXIP1	-1.487	8.16E-16
PCDHB17P	2.247	2.97E-11	DOK4	-1.487	2.79E-48
SNORD60	2.246	3.38E-22	LINC01268	-1.487	8.92E-09
CACNA1E	2.246	1.65E-17	MRAS	-1.487	3.47E-24
BLACE	2.246	5.68E-08	CCL4	-1.486	4.19E-16
SAMD12-AS1	2.246	1.38E-19	SLC31A2	-1.486	3.17E-26
DGCR9	2.245	2.24E-22	CASP5	-1.486	1.40E-15
DGCR9	2.245	2.24E-22	SGCD	-1.485	1.68E-14
TDH	2.245	1.59E-13	ADGRE4P	-1.485	3.08E-12
SLC1A4	2.245	1.36E-44	THSD1	-1.484	4.89E-16
HIST1H4J	2.244	1.03E-19	LINC00284	-1.484	2.23E-05
SNORA84	2.244	3.13E-09	EHD2	-1.482	2.90E-21
AC024592.2	2.244	3.61E-13	KLHDC1	-1.482	2.21E-34

AC104126.1	2.243	9.64E-05	BST1	-1.482	1.47E-13
LPAR3	2.243	1.39E-28	SERPINI2	-1.482	3.13E-06
FAM230B	2.243	8.75E-04	HLA-DQB1-AS1	-1.481	9.84E-12
LINC01701	2.242	2.31E-05	SH3D19	-1.481	1.67E-55
DPYSL4	2.242	9.01E-19	PDZD9	-1.481	4.55E-21
ALLC	2.241	2.72E-08	C8orf46	-1.481	2.05E-11
MTNR1B	2.241	2.99E-03	FXYD6	-1.480	7.93E-15
ALDH1L1	2.241	7.63E-14	CH25H	-1.480	1.92E-09
LINC02506	2.240	2.52E-05	SIDT2	-1.479	6.19E-67
SEMA4B	2.239	3.55E-46	GALNT17	-1.478	4.12E-08
NEB	2.239	2.53E-34	HRASLS5	-1.478	3.47E-05
FAM19A4	2.238	1.12E-09	HNF1A-AS1	-1.478	1.98E-06
JAG1	2.237	1.14E-43	HPN	-1.478	2.65E-07
COLCA2	2.236	3.00E-20	GCHFR	-1.478	5.35E-27
FAM72A	2.235	4.68E-73	FAM228A	-1.477	1.37E-09
MMD2	2.235	8.34E-03	AREG	-1.477	1.21E-07
AC020637.1	2.235	1.10E-05	PLK3	-1.477	2.72E-31
MIR3663HG	2.234	2.02E-03	C9orf153	-1.476	1.09E-13
TSKU	2.233	1.83E-63	SLC35A1	-1.474	2.50E-56
DDIAS	2.233	4.07E-69	SLC8A1	-1.474	3.44E-21
RAB38	2.231	8.62E-32	TFEC	-1.474	1.99E-14
NANOGNB	2.231	1.51E-03	CYFIP2	-1.474	5.23E-19
PTGFRN	2.231	4.46E-66	PNMT	-1.472	1.59E-06
ELOVL2	2.230	1.23E-18	SHANK2-AS1	-1.472	6.21E-06
FANCD2OS	2.230	9.85E-16	DRD1	-1.471	1.20E-06
AC008163.1	2.230	3.03E-04	DOCK9	-1.471	4.07E-41
C1orf112	2.229	5.12E-117	MALRD1	-1.471	7.93E-10
ANKRD20A8P	2.229	3.38E-06	HABP2	-1.471	1.11E-05
FHOD3	2.229	3.13E-22	DIO3OS	-1.471	9.00E-09
HOXA9	2.229	1.86E-17	SLC25A25	-1.471	1.72E-26
AKR7A2P1	2.228	3.45E-20	SPON1	-1.471	4.91E-13
CLEC18B	2.228	8.88E-21	TMEM72-AS1	-1.470	3.35E-15
DSG2	2.228	5.30E-73	ADGRG6	-1.470	2.21E-13
MYHAS	2.227	2.87E-15	LRMDA	-1.469	6.80E-26
LINC02392	2.227	1.04E-05	FOLR2	-1.469	4.08E-14
LINC01393	2.227	3.90E-27	LPXN	-1.468	7.92E-22
TEX41	2.226	3.65E-22	CLEC4F	-1.468	2.31E-08
SLC35G1	2.226	3.28E-24	MAP3K3	-1.467	1.53E-84
AC055874.1	2.225	1.07E-03	RFLNB	-1.467	5.82E-22
AC025278.2	2.225	1.24E-03	FAR2	-1.467	1.38E-19
CDH22	2.225	2.38E-07	MIR342	-1.466	1.45E-06
DDX4	2.224	1.69E-07	LINC01149	-1.466	8.34E-05
RTP1	2.222	7.03E-08	GRIFIN	-1.466	1.94E-07
TP53TG3D	2.221	1.60E-11	LINC02166	-1.466	2.61E-20
TP53TG3D	2.221	1.60E-11	DPYD	-1.466	4.31E-19
TP53TG3D	2.221	1.60E-11	CD300LD	-1.465	1.17E-04
TP53TG3D	2.221	1.60E-11	HLX	-1.464	2.49E-31
TP53TG3D	2.221	1.60E-11	FGF2	-1.463	4.45E-15
LIPM	2.219	5.99E-32	USP54	-1.462	1.78E-46
AC007920.1	2.219	3.03E-05	TESPA1	-1.462	3.84E-16
PAICS	2.219	8.51E-88	CCR2	-1.461	3.19E-12
GSTA1	2.218	4.65E-09	SLFN11	-1.461	2.50E-21
LINC01895	2.218	4.21E-04	FZD5	-1.460	5.45E-25
ARHGEF19	2.217	4.79E-76	HP	-1.460	4.86E-05
KRTAP7-1	2.217	4.64E-03	CCND3	-1.459	1.43E-34
KCNC2	2.217	3.96E-03	CD68	-1.459	2.23E-20

CHRNA9	2.216	8.14E-09	BORCS7	-1.459	2.06E-59
LTB4R	2.214	2.96E-31	OSCP1	-1.459	4.03E-32
LINC00665	2.214	1.17E-23	TTC28	-1.458	6.47E-28
ADAM2	2.213	1.83E-03	LCP1	-1.458	2.28E-18
KCNJ10	2.213	1.18E-18	RNU5D-1	-1.457	9.51E-04
GLDC	2.212	1.51E-14	AC012085.2	-1.457	3.45E-08
RGS17	2.212	5.11E-24	ANKDD1B	-1.457	5.62E-16
NCAPG2	2.211	1.49E-111	SYNM	-1.457	1.41E-22
SVOP	2.211	4.40E-10	CREBRF	-1.456	5.96E-66
OR11H6	2.210	7.58E-06	BEST1	-1.456	3.22E-36
SIX1	2.209	1.64E-37	XIRP2	-1.455	1.02E-04
LINC02188	2.208	8.15E-10	CCL18	-1.454	3.67E-09
OVOL3	2.207	2.21E-26	TMEM170B	-1.454	1.77E-25
MIR148A	2.207	2.41E-10	DCN	-1.454	2.53E-12
PPAT	2.206	1.52E-89	EBF1	-1.454	1.91E-21
NME1	2.206	3.39E-86	EFCAB6	-1.453	3.66E-21
AC068305.3	2.206	2.77E-20	ZBED2	-1.452	5.27E-10
DIRAS1	2.206	2.09E-15	RGS3	-1.451	3.06E-42
PSPH	2.204	1.53E-46	BPI	-1.451	8.30E-09
CASC11	2.202	2.79E-23	PICART1	-1.451	2.73E-13
LINC01822	2.202	1.62E-03	CACNA1C	-1.451	3.12E-17
LINC00525	2.202	4.07E-15	ZNF608	-1.451	5.60E-17
LINC00629	2.201	3.98E-16	SLC7A2	-1.449	4.86E-09
MCM8	2.201	1.56E-106	JAM3	-1.449	3.59E-19
ENTPD8	2.200	9.77E-13	IL1R1	-1.449	2.48E-27
C10orf55	2.199	6.81E-29	EPB41L4A	-1.448	4.33E-28
RDH12	2.198	1.78E-15	NKG7	-1.447	7.55E-13
ASIC1	2.196	2.48E-43	UTF1	-1.445	4.59E-05
TTLL12	2.196	4.73E-77	XKR3	-1.444	2.33E-04
VSX1	2.195	1.23E-07	FERMT3	-1.444	1.09E-20
SULT1E1	2.194	4.48E-09	HMCN1	-1.444	2.91E-13
C3orf67-AS1	2.193	6.23E-07	FIGLA	-1.444	6.12E-04
ATAD5	2.193	1.81E-87	LTK	-1.442	2.97E-09
PAGE4	2.192	2.43E-03	MIR4777	-1.440	5.03E-05
LINC00628	2.189	2.18E-07	AC099792.1	-1.440	3.01E-05
WNT5A	2.189	4.28E-24	F13A1	-1.440	3.48E-11
MCF2	2.189	3.27E-12	CARNS1	-1.440	2.85E-19
FOLH1	2.189	2.48E-21	GPSM3	-1.439	4.34E-23
CENPN	2.188	2.12E-86	NCR3	-1.439	3.51E-11
SYT16	2.188	1.29E-16	TNXA	-1.439	4.24E-07
SCML2	2.187	6.23E-24	ACBD3-AS1	-1.439	1.62E-14
IL17REL	2.185	6.00E-11	CRISPLD2	-1.439	1.11E-16
AL365226.1	2.183	4.75E-11	KCNAB2	-1.438	5.96E-34
TM4SF19	2.182	8.82E-17	IL5	-1.438	1.21E-07
AC107464.1	2.179	2.27E-08	KCTD14	-1.437	3.51E-12
ANKRD62	2.179	5.90E-13	HPCAL4	-1.437	2.04E-08
OR56B4	2.179	7.60E-12	ZC2HC1C	-1.437	5.01E-26
SCUBE3	2.179	9.92E-17	CUBN	-1.437	7.85E-21
TUSC8	2.178	4.89E-04	NPFFR1	-1.437	7.10E-12
CPT1B	2.176	4.60E-36	NCF1B	-1.436	1.49E-14
AC010501.1	2.175	2.16E-15	KRT7-AS	-1.436	1.07E-05
HGNC:18790	2.175	1.71E-15	NCF4	-1.436	5.36E-20
MIA-RAB4B	2.175	4.74E-04	CYP3A5	-1.436	2.45E-09
MOGAT2	2.174	5.99E-09	BX547991.1	-1.435	6.69E-03
ARHGAP11B	2.174	9.48E-69	GSG1L	-1.434	4.96E-05
STEAP3-AS1	2.174	3.17E-20	ARHGDIB	-1.432	5.16E-26

PTGES2-AS1	2.173	2.89E-19	AC114689.3	-1.431	9.15E-03
PRKCG	2.171	1.05E-11	TRABD2A	-1.431	3.78E-13
SMPX	2.171	6.45E-11	TRABD2A	-1.431	3.78E-13
MIF	2.171	2.69E-62	MIR3151	-1.431	2.38E-06
RPL10L	2.170	7.31E-07	RILPL2	-1.431	7.99E-64
CHRNG	2.170	2.05E-15	ARHGAP15	-1.430	1.87E-17
PSG11	2.170	6.49E-03	TNMD	-1.430	1.56E-04
WNT7B	2.170	1.44E-29	CFAP157	-1.429	2.11E-17
AC009275.1	2.170	1.35E-20	PDLIM3	-1.429	1.77E-17
MCHR2-AS1	2.169	2.34E-05	NCF1	-1.429	9.33E-16
SCN2A	2.169	8.99E-11	EGR2	-1.428	5.39E-15
LINC00862	2.169	1.89E-17	EBF2	-1.427	2.33E-12
AL109615.3	2.169	5.69E-27	C10orf25	-1.427	2.79E-23
EPHA5-AS1	2.169	2.33E-04	AMIGO1	-1.427	6.41E-23
FBXO45	2.167	1.17E-87	KLRG1	-1.426	7.38E-18
C19orf48	2.167	7.01E-104	PP2D1	-1.426	4.20E-43
SYT2	2.166	8.22E-17	LINC00641	-1.426	2.31E-27
LENEP	2.166	7.81E-14	ITGAX	-1.424	1.43E-18
TRIM17	2.166	1.83E-20	ANXA6	-1.424	9.04E-24
LINC00675	2.165	8.78E-06	PRRG1	-1.424	1.55E-20
AC012594.1	2.165	2.55E-06	NFIX	-1.424	1.34E-24
DARS-AS1	2.165	5.32E-64	PLA2G16	-1.423	3.04E-10
GABRA1	2.164	1.19E-03	LINC00535	-1.423	5.46E-12
THSD7B	2.162	6.31E-11	GPRASP1	-1.423	9.75E-20
AL590617.2	2.162	4.45E-45	AKAP6	-1.423	2.24E-17
ALG3	2.162	5.09E-76	AC139749.1	-1.421	8.70E-07
ADCY2	2.161	2.56E-10	AC120049.1	-1.420	1.93E-21
GPR156	2.161	7.91E-19	MUSTN1	-1.420	2.76E-14
C2orf82	2.161	9.69E-43	ZNF763	-1.420	6.78E-27
FBXO47	2.161	3.78E-08	NXF5	-1.419	6.80E-05
CHAF1A	2.161	1.20E-79	MPDZ	-1.419	4.03E-25
AP001476.1	2.159	1.90E-07	ZNF106	-1.419	9.00E-69
LEMD1-AS1	2.157	1.39E-13	LGALS4	-1.419	1.67E-07
FRMD6	2.156	1.44E-49	C6orf201	-1.417	2.83E-18
GHSR	2.156	4.03E-05	LINC00620	-1.416	6.99E-03
VSTM5	2.154	4.07E-25	RASA4	-1.415	1.81E-25
CYB5R2	2.153	1.52E-34	CCDC40	-1.414	5.52E-17
P3H4	2.153	3.03E-67	AL049651.2	-1.412	8.36E-03
PRH2	2.152	1.08E-08	WNT2	-1.412	6.70E-11
H2AFB1	2.151	2.27E-03	ARRB2	-1.412	2.12E-59
TBATA	2.150	3.57E-06	MMP25	-1.412	2.28E-17
SYNGR3	2.150	1.61E-22	SYBU	-1.412	6.43E-10
C1QTNF6	2.148	2.76E-44	CIITA	-1.411	2.50E-12
LGR4	2.146	1.45E-48	TRHDE-AS1	-1.411	3.15E-03
KRTAP3-2	2.146	1.47E-03	CLMAT3	-1.411	3.54E-13
HAND2	2.145	6.79E-07	GRAP2	-1.411	8.83E-18
GNG13	2.145	3.93E-09	SDC4	-1.410	2.82E-20
SYT7	2.145	8.89E-25	FGL2	-1.409	7.78E-14
LINC01387	2.144	1.35E-04	LIPH	-1.409	1.13E-10
TM4SF19-TCTEX1D2	2.142	6.29E-16	CCDC30	-1.409	8.51E-24
OR1G1	2.141	1.63E-04	CRIM1	-1.409	5.19E-37
PAK6	2.140	6.05E-48	LINC00920	-1.409	1.05E-13
OXGR1	2.137	6.73E-16	NMBR	-1.408	9.31E-07
FKBP4	2.137	3.62E-84	IQSEC1	-1.408	3.41E-50
AC007731.1	2.137	4.66E-03	C17orf50	-1.408	8.49E-08

ANXA8	2.137	3.47E-18	SPRY1	-1.407	2.83E-27
ATP2A1	2.137	3.60E-43	SERINC1	-1.407	3.53E-90
UCK2	2.135	1.04E-90	PIK3CG	-1.407	8.96E-12
LINC01362	2.133	5.26E-09	CNKSR2	-1.406	5.25E-08
PPEF1	2.133	1.36E-26	SYNPO2	-1.406	6.04E-08
VWA5B2	2.132	2.59E-14	TRAK2	-1.406	9.88E-59
B4GALT4	2.131	3.39E-45	ARHGEF3	-1.406	2.20E-52
SYT1	2.130	6.51E-26	ARAP3	-1.405	1.72E-31
SORD	2.130	1.99E-56	CYP2U1	-1.405	6.33E-31
TMEM52	2.127	1.74E-25	SESN1	-1.405	1.63E-43
LINC01363	2.127	6.43E-04	ACR	-1.405	1.18E-14
HES7	2.126	4.40E-13	TMEM178A	-1.405	2.84E-07
FLJ12825	2.126	5.74E-18	FOXP1	-1.404	4.50E-39
FAM157A	2.124	2.69E-25	ITFG2-AS1	-1.404	2.19E-05
HMMR-AS1	2.123	1.69E-08	NRG2	-1.404	2.50E-09
LINC00939	2.123	1.75E-07	MIR548P	-1.403	4.62E-03
AC036214.1	2.122	2.19E-16	FCHO2	-1.402	1.58E-51
LRRTM1	2.121	3.45E-05	FCGR1A	-1.402	1.81E-14
KRT71	2.121	4.62E-11	FAM181A	-1.401	4.25E-05
GMNN	2.120	1.82E-86	MYOZ2	-1.401	2.15E-07
HIST1H4K	2.118	1.02E-20	TTLL10-AS1	-1.401	2.23E-06
LINC01886	2.117	8.89E-04	ADPGK-AS1	-1.401	8.83E-23
MUC20	2.117	4.98E-14	CACNA1C-IT2	-1.400	4.51E-03
GTSF1L	2.116	2.10E-09	CSDC2	-1.400	1.30E-11
PGF	2.116	4.14E-30	AL139220.2	-1.400	1.42E-27
TP73	2.115	1.37E-25	FGD3	-1.400	6.59E-30
RIMBP2	2.115	1.74E-10	MGAT4A	-1.399	9.16E-20
NKAIN4	2.115	5.98E-12	SLC22A8	-1.399	1.21E-03
SGO2	2.115	1.70E-86	PPM1K	-1.399	3.10E-27
SLC6A19	2.113	1.36E-04	BTN3A3	-1.398	7.86E-26
TCL1B	2.113	1.75E-03	AC027130.1	-1.398	3.13E-14
MIR3616	2.112	1.18E-06	SAMD14	-1.398	4.35E-24
HIST1H2BD	2.111	2.61E-38	NRROS	-1.396	3.54E-23
GMCL1P1	2.110	9.56E-08	TNFRSF1B	-1.396	5.16E-20
AL031726.1	2.110	6.73E-05	OR10Q1	-1.396	4.75E-03
AL772363.1	2.110	1.67E-05	FAM198A	-1.396	4.51E-12
LINC01160	2.109	9.38E-12	PPP1R36	-1.395	3.83E-11
AC022294.1	2.109	7.31E-04	TMEM119	-1.395	2.28E-13
HNF4G	2.109	1.13E-21	CDKL5	-1.395	5.34E-33
LINC01721	2.109	1.73E-03	TREM2	-1.395	2.28E-13
JUP	2.108	1.36E-62	AC105942.1	-1.395	3.29E-14
CD200R1L	2.108	1.71E-14	CPA1	-1.394	2.54E-05
CCDC190	2.108	1.89E-07	VIPR2	-1.394	6.44E-06
LINC00276	2.108	8.22E-06	FAM124A	-1.394	4.16E-15
POTEE	2.107	5.61E-13	RASA4B	-1.394	2.84E-10
CERS1	2.105	1.70E-11	TYRP1	-1.394	1.15E-08
CERS1	2.105	1.70E-11	C4orf45	-1.393	2.57E-06
LRRC9	2.104	4.24E-18	C5orf56	-1.393	1.86E-22
C7orf65	2.103	4.54E-06	AC125421.1	-1.392	1.22E-03
UPK2	2.103	2.17E-13	MAL	-1.390	4.14E-07
S100P	2.103	2.78E-10	WAS	-1.390	1.58E-19
TMEM270	2.101	9.94E-15	FOXP1-AS1	-1.390	3.36E-13
HEPACAM2	2.101	6.62E-07	IKZF1	-1.390	1.28E-14
CYP2D7	2.101	4.95E-30	FAM221B	-1.388	2.19E-10
LINC02332	2.101	5.73E-11	FRZB	-1.388	7.10E-12
ASCL2	2.100	2.60E-27	PTCHD1	-1.387	1.54E-05

LEF1-AS1	2.100	5.63E-35	C1orf228	-1.386	2.87E-15
ETV3L	2.100	5.52E-07	MRAP	-1.386	1.99E-12
NDRG1	2.099	9.20E-31	DIRAS3	-1.386	6.70E-10
VCX2	2.098	4.01E-05	PSMG3-AS1	-1.385	3.19E-22
AC091138.1	2.097	2.22E-05	VNN2	-1.384	2.32E-08
AC007365.3	2.097	7.13E-12	RAB8B	-1.384	4.50E-45
MAPK8IP2	2.096	1.88E-21	ITGB2	-1.383	2.21E-15
FRMD8P1	2.096	3.87E-08	PTGER4	-1.383	2.74E-18
NCAPD2	2.095	1.54E-83	LILRB2	-1.382	4.15E-17
AC021683.2	2.094	3.49E-08	AXL	-1.382	1.52E-18
KLK4	2.094	1.39E-10	LINC02201	-1.381	4.67E-05
SST	2.094	1.37E-03	UNC5C	-1.381	9.30E-14
BOP1	2.094	2.20E-78	C5AR2	-1.380	1.34E-12
LINC01929	2.093	2.71E-12	IL27	-1.380	3.19E-12
LINC01450	2.090	1.31E-06	INSM2	-1.380	1.03E-05
AL355997.1	2.089	4.04E-04	GCNT4	-1.378	3.97E-17
SRD5A1	2.089	1.27E-50	DTX4	-1.376	7.46E-22
LARS2-AS1	2.089	2.64E-09	RPS6KA2-IT1	-1.376	1.14E-10
GSTM3	2.087	3.64E-14	TLR2	-1.376	2.03E-26
SPINK6	2.087	1.95E-06	TAGAP	-1.375	1.03E-14
KCND2	2.085	2.00E-23	TEX14	-1.375	6.11E-20
RBFOX1	2.084	2.26E-05	LMF1-AS1	-1.374	3.72E-08
ALOX12	2.084	4.18E-18	LINC01091	-1.373	5.72E-10
PDK1	2.083	9.95E-73	RNF122	-1.372	1.38E-36
AC131097.2	2.082	1.59E-12	GAL3ST1	-1.372	1.48E-08
LINC01012	2.080	8.08E-31	EMILIN2	-1.371	4.29E-23
DBF4	2.080	5.38E-90	RPGR	-1.371	8.06E-54
CRYBG2	2.079	1.93E-23	PCDH1	-1.370	1.56E-15
GHET1	2.078	9.25E-49	CCDC153	-1.370	1.09E-18
NLRP4	2.078	4.32E-06	GDF5	-1.370	2.88E-06
FBXO32	2.077	4.91E-43	CCDC180	-1.370	3.36E-12
AC009987.1	2.076	3.04E-05	ORM1	-1.370	1.42E-04
NYAP1	2.075	8.70E-16	CLCN4	-1.369	8.60E-13
AC016582.1	2.075	7.02E-11	RIN3	-1.369	1.67E-27
PARD6G	2.074	5.48E-55	FLJ46284	-1.368	7.80E-15
FAM178B	2.074	8.32E-12	ZFPM2	-1.368	6.44E-17
LINC01021	2.073	8.46E-05	AC008781.2	-1.368	1.18E-07
TMEM45A	2.072	6.05E-20	SLC26A8	-1.366	4.73E-15
SLC22A11	2.072	1.31E-11	RCAN1	-1.366	1.11E-23
AP001205.1	2.072	1.68E-03	EDNRA	-1.365	3.64E-15
C17orf77	2.072	2.39E-03	STX12	-1.365	3.70E-79
MDFI	2.072	1.24E-35	TRIM22	-1.364	2.62E-20
MAPT-IT1	2.071	1.47E-03	MAN1A1	-1.363	5.11E-18
GRIN1	2.071	5.46E-16	PCDHGA5	-1.363	1.24E-17
CLDN8	2.070	1.06E-07	AZGP1	-1.363	3.54E-04
RIPPLY3	2.070	2.20E-16	ZC4H2	-1.363	3.08E-14
BUB1B-PAK6	2.065	2.81E-11	CYP2G1P	-1.362	4.20E-06
AC090912.2	2.063	4.57E-18	PAXIP1-AS2	-1.362	1.76E-47
LINC01606	2.062	3.45E-04	NPY4R	-1.361	3.34E-06
CCDC169-SOHLH2	2.062	4.16E-06	PLA2G4C	-1.360	3.47E-19
OSGIN1	2.060	1.72E-13	HSD11B1	-1.359	2.12E-11
TRPV4	2.059	2.52E-39	PDZRN4	-1.358	6.02E-05
ACKR3	2.058	1.75E-21	SLC40A1	-1.358	6.87E-13
INSRR	2.057	1.54E-12	ANKRD55	-1.357	4.90E-09
AC024958.1	2.056	5.03E-03	SNAI3	-1.357	2.71E-22

Z92544.1	2.056	2.93E-13	HSD17B4	-1.357	1.28E-79
HS6ST3	2.056	4.57E-07	ORM2	-1.356	4.21E-05
FGF12	2.056	8.86E-17	MRGPRF	-1.355	1.49E-12
LMNB2	2.055	1.51E-80	RARRES3	-1.355	3.62E-12
PMP2	2.054	4.16E-07	FLJ31104	-1.355	1.79E-20
MMP27	2.053	3.25E-06	RORB	-1.354	2.80E-06
AC005695.1	2.053	8.13E-16	FPGT-TNNI3K	-1.354	8.90E-14
MCM7	2.052	3.68E-97	SLC46A3	-1.353	3.38E-24
LINC01153	2.052	2.93E-03	HCG9	-1.353	1.70E-10
INAVA	2.050	3.69E-50	MIR4524B	-1.353	9.56E-03
PCP4	2.049	7.26E-09	ID2	-1.352	2.38E-22
SLC12A5-AS1	2.047	1.49E-21	RAB20	-1.351	1.66E-26
AL445238.1	2.047	1.81E-03	CSF2RA	-1.346	5.23E-14
UNC5B-AS1	2.045	3.36E-17	CSF2RA	-1.346	5.23E-14
PCAT1	2.045	5.76E-23	SHANK2	-1.345	3.38E-09
SMYD1	2.045	5.02E-03	CD1E	-1.344	1.16E-08
CHAC2	2.044	2.93E-45	ACAA2	-1.344	2.95E-19
ZNF367	2.043	3.78E-54	EPOR	-1.344	5.57E-24
NRARP	2.043	8.32E-30	FGF13-AS1	-1.344	4.19E-05
HSPA4L	2.043	1.09E-42	TPPP2	-1.344	3.15E-06
HSPB1	2.043	1.07E-41	AXIN2	-1.344	1.68E-12
PLOD2	2.042	7.67E-42	CCDC187	-1.343	1.41E-05
LINC01251	2.041	5.88E-07	EPB41L4A-AS2	-1.343	6.99E-26
TNFRSF25	2.041	2.43E-35	WWC3	-1.343	1.12E-42
ADAM32	2.040	7.11E-24	PTCHD4	-1.343	1.64E-08
C5orf60	2.040	8.56E-12	EHD1	-1.343	1.90E-31
SYNDIG1	2.040	9.05E-19	PNPLA7	-1.342	2.03E-11
AC007342.4	2.040	3.03E-17	SYP	-1.339	3.08E-13
TCL6	2.038	9.35E-10	ELMO1	-1.336	3.82E-22
KRT40	2.038	2.55E-06	HCP5B	-1.334	3.69E-06
AC006012.1	2.038	2.11E-08	C10orf105	-1.334	6.75E-06
GINS3	2.037	3.21E-83	SH3BGRL	-1.334	1.05E-28
PKIA-AS1	2.037	5.56E-14	CYP4A22	-1.334	3.44E-05
DNTT	2.037	2.14E-05	TMEM173	-1.333	1.38E-27
FANCE	2.036	2.57E-69	IQCD	-1.333	4.13E-13
SELENOI	2.036	1.20E-68	TMED6	-1.333	1.44E-30
KRTAP16-1	2.036	3.32E-04	RASEF	-1.332	2.27E-13
LINC00540	2.035	3.17E-08	RHOXF1P1	-1.332	1.57E-03
HIST1H4H	2.035	1.18E-20	C15orf52	-1.331	1.81E-12
TRPM5	2.034	1.55E-08	CPEB4	-1.330	1.79E-40
LMNB1	2.033	1.72E-87	SAMSN1	-1.330	1.27E-14
ARHGEF4	2.033	3.35E-24	SAMSN1	-1.330	1.27E-14
KLKP1	2.033	1.59E-05	UBASH3B	-1.329	5.12E-16
LAMC2	2.033	1.42E-17	KLHL30	-1.326	9.93E-08
MED12L	2.030	3.80E-29	TOX	-1.325	3.52E-11
ITGA11	2.027	2.05E-19	ZNF521	-1.324	4.86E-12
PIGX	2.026	3.03E-54	ANKRD44-IT1	-1.324	1.28E-10
CASC6	2.025	1.56E-03	NUP210L	-1.324	1.16E-08
STARD6	2.024	6.49E-14	MYO1C	-1.323	7.34E-53
GRM7-AS2	2.024	2.21E-05	PTAFR	-1.323	5.84E-16
FGF8	2.024	7.80E-10	PTGDR	-1.323	3.02E-14
AC012377.1	2.024	5.38E-15	RCVRN	-1.323	1.08E-08
LINC01257	2.023	2.37E-03	MLC1	-1.322	5.20E-07
MIR3681HG	2.023	1.15E-09	NOTCH2NL	-1.322	2.63E-27
ERC2	2.023	1.27E-23	NOTCH2NL	-1.322	2.63E-27
AADACP1	2.022	1.28E-13	ACSL1	-1.322	7.91E-32

SNHG1	2.022	1.47E-68	BAIAP2-AS1	-1.321	2.66E-34
CENPL	2.021	5.04E-94	SPNS3	-1.321	2.15E-13
UMODL1	2.021	6.21E-10	STX2	-1.321	8.21E-32
KLK14	2.018	5.13E-10	SIK2	-1.321	2.65E-59
DLG1-AS1	2.018	4.63E-22	FAM78A	-1.321	1.10E-18
AL161621.1	2.017	5.23E-04	LINC01714	-1.321	4.24E-04
NPHS2	2.015	5.34E-04	AL512422.2	-1.320	1.48E-06
PPM1J	2.015	2.76E-42	MRVI1	-1.319	4.96E-18
VAX2	2.015	7.30E-22	DACT3	-1.319	3.11E-16
LINC00524	2.014	9.42E-06	PCDHGA3	-1.319	2.36E-06
FSTL4	2.013	5.40E-17	AC025278.1	-1.318	7.01E-05
FGFR3	2.012	2.14E-18	C2orf71	-1.318	2.40E-05
VSIG10L	2.011	3.14E-18	FLNC	-1.317	3.88E-09
CKAP2	2.010	4.43E-98	C11orf52	-1.317	4.70E-10
DSCR9	2.010	1.29E-22	MFSD4A	-1.317	5.29E-12
GALP	2.009	9.04E-03	USP2	-1.316	1.62E-14
FANCD2	2.009	1.25E-101	RSPO3	-1.315	3.23E-08
LRP8	2.009	2.32E-36	SH3BGRL2	-1.315	7.66E-15
GEN1	2.009	6.64E-85	CFAP53	-1.314	8.53E-12
MIR6768	2.008	2.94E-07	PIH1D2	-1.314	2.09E-20
TMEM196	2.007	1.66E-03	TMEM74B	-1.313	1.79E-11
KNSTRN	2.007	8.34E-99	FAM155A	-1.313	1.50E-07
POLR2H	2.006	1.03E-77	HERC2P3	-1.313	4.15E-07
AC015689.1	2.006	7.42E-15	CFAP54	-1.313	4.45E-12
GFAP	2.006	2.95E-11	TLCD2	-1.312	7.27E-25
LINC01203	2.006	1.65E-04	APBB2	-1.312	1.35E-30
MIR554	2.006	1.65E-07	VIM-AS1	-1.312	3.00E-14
CERNA3	2.005	7.00E-09	C22orf34	-1.311	1.92E-10
FIGNL1	2.005	7.21E-81	BRINP3	-1.311	1.28E-04
KRT80	2.005	8.73E-21	LINC02520	-1.311	2.33E-05
CDH2	2.005	1.75E-10	ELFN2	-1.310	1.94E-04
PSRC1	2.004	1.09E-73	SERPINA9	-1.310	1.36E-04
NUDT8	2.003	1.92E-39	FGA	-1.309	7.37E-03
CHL1-AS1	2.002	5.88E-08	LINC01366	-1.309	4.86E-10
AC007381.1	2.001	9.66E-09	TNFSF15	-1.308	8.90E-15
SAMSN1-AS1	2.001	1.65E-08	CATIP-AS2	-1.308	2.90E-06
GRTP1	2.000	4.86E-45	CLEC12B	-1.308	1.09E-06
PC	2.000	3.66E-31	AC137932.1	-1.307	2.12E-16
RNFT2	2.000	7.69E-24	ST7-AS2	-1.307	1.31E-08
HGFAC	2.000	8.15E-13	CST7	-1.306	1.25E-13
ARID3C	2.000	3.66E-15	HCG14	-1.305	6.90E-09
GPR26	1.999	5.13E-07	GZMH	-1.305	2.19E-09
RASL10B	1.999	9.12E-17	RIPOR1	-1.305	2.17E-44
FAM110C	1.999	1.16E-22	FES	-1.304	1.84E-27
MIR4666A	1.998	2.61E-05	KLF4	-1.304	4.04E-14
YDJC	1.997	3.02E-62	SNORD116-24	-1.304	3.16E-08
RSPH6A	1.996	3.90E-06	CSRP1	-1.304	2.34E-41
ZNF724	1.995	7.98E-23	ICAM5	-1.303	1.32E-08
TEX48	1.995	3.47E-08	UPB1	-1.303	1.97E-07
CLDN16	1.995	9.81E-14	CEACAM3	-1.303	3.70E-09
LTB4R2	1.994	2.32E-30	AC010226.1	-1.302	8.80E-29
SHMT2	1.992	2.67E-105	ZNF442	-1.302	4.29E-23
LINC-ROR	1.991	1.51E-04	RERG	-1.302	9.99E-10
ZNF703	1.991	3.13E-31	MCAM	-1.302	7.11E-21
CFHR3	1.990	6.17E-21	MIR3145	-1.301	1.81E-06
H2AFX	1.989	1.06E-75	SPATA6L	-1.301	1.09E-19

LINC02485	1.989	6.28E-04	MIR3178	-1.301	1.22E-06
FKBP9P1	1.989	5.15E-16	CCNJL	-1.301	8.27E-10
SIAH2	1.989	3.75E-65	CSGALNACT1	-1.301	1.33E-19
CCDC58	1.988	6.81E-76	PTPRO	-1.300	1.24E-09
TBX1	1.988	1.42E-23	SLC43A2	-1.300	5.19E-26
LINC00483	1.987	8.18E-05	OLFML3	-1.300	1.11E-14
GGCT	1.986	1.51E-87	CSF2	-1.298	3.77E-06
DDX11	1.986	7.60E-51	CPB2-AS1	-1.298	1.22E-07
EPHB2	1.985	3.59E-25	CACNA1H	-1.298	1.62E-11
MFAP2	1.984	4.58E-32	LCP2	-1.298	4.58E-17
LINC01535	1.984	1.40E-13	RAPGEF5	-1.298	4.12E-33
RCCD1	1.983	5.88E-84	CST6	-1.296	3.07E-05
STARD5	1.983	2.82E-44	ELF5	-1.295	3.18E-06
PTH	1.982	1.13E-03	KRTAP5-AS1	-1.295	5.64E-07
LINC01324	1.982	6.10E-03	PKD2L1	-1.295	4.64E-08
PPP1R14B	1.981	1.84E-75	LINC002481	-1.294	3.82E-16
BEND6	1.981	4.40E-34	UBA7	-1.294	1.58E-20
AL121990.1	1.981	2.07E-08	GSAP	-1.293	7.39E-24
CBR1	1.980	1.45E-20	C13orf42	-1.293	1.96E-03
TRIM54	1.979	7.95E-09	AC104958.1	-1.292	6.08E-06
HIST1H4C	1.979	2.00E-14	MAOA	-1.292	2.10E-13
WSCD2	1.979	1.00E-08	C1QTNF1-AS1	-1.292	1.22E-04
SNORA58	1.978	2.52E-08	PDE7B	-1.291	8.77E-14
CYP27B1	1.978	7.22E-34	C9orf66	-1.290	1.38E-11
STON2	1.977	6.66E-34	IL10RA	-1.290	4.26E-14
SLC2A5	1.977	2.18E-31	GMPR	-1.290	1.89E-12
USH1C	1.977	2.47E-09	LINC01678	-1.290	7.49E-11
LINC01219	1.977	8.76E-05	SLC39A12	-1.289	2.22E-05
FRG2C	1.977	2.55E-05	PCDHB1	-1.289	1.60E-04
CLGN	1.975	2.13E-14	TNFSF8	-1.289	1.13E-10
LRAT	1.975	6.19E-12	PALM2-AKAP2	-1.289	1.71E-10
TMC1	1.975	4.95E-16	IGFN1	-1.288	1.61E-04
LINC01607	1.975	4.78E-24	PAQR8	-1.288	7.78E-24
LCTL	1.974	8.31E-33	EPB41L3	-1.287	3.11E-12
LINC01050	1.973	8.02E-12	AC104758.3	-1.287	4.07E-05
VPS37D	1.973	8.02E-32	SLC43A3	-1.286	1.10E-15
ERO1A	1.972	5.47E-43	VSTM1	-1.286	3.74E-05
LINC01555	1.972	1.05E-05	ABCA10	-1.286	2.34E-10
CEND1	1.971	1.87E-14	PNPLA2	-1.286	2.25E-38
RND2	1.971	3.76E-17	SERPINB6	-1.285	9.28E-28
ANKRD18A	1.970	3.93E-21	MIRLET7I	-1.285	3.25E-04
FXYD3	1.970	1.90E-21	NCAM2	-1.285	1.09E-07
MSX2	1.969	4.69E-15	IRX2	-1.284	6.55E-09
AL157838.1	1.968	6.54E-43	TNFRSF10D	-1.284	1.08E-09
CDH24	1.967	4.14E-55	AP001627.1	-1.284	1.59E-07
USP26	1.967	9.69E-04	JAZF1-AS1	-1.284	1.03E-10
NRTN	1.966	5.20E-23	GGT1	-1.283	1.12E-12
BRCA1	1.965	1.48E-69	TOX2	-1.283	2.16E-12
GPI	1.965	2.07E-58	BIRC3	-1.283	2.63E-09
NRIP3	1.965	6.11E-33	DNAH1	-1.282	3.48E-18
KCNK4	1.965	9.76E-05	SNX20	-1.281	1.58E-13
SMKR1	1.964	1.01E-17	CARD8	-1.281	4.32E-40
MAGED4	1.964	1.06E-07	BTD	-1.281	1.90E-40
KRTAP5-9	1.963	1.45E-10	STK10	-1.280	7.11E-32
TRIM45	1.963	1.50E-44	MYLK	-1.280	8.05E-16
DCST1	1.962	3.77E-27	DOK6	-1.280	1.49E-07

LINC01503	1.961	4.00E-40	FLT1	-1.279	7.29E-28
KCNMB3	1.959	3.83E-36	MPRIP	-1.278	7.98E-50
SFXN1	1.959	1.57E-78	ELMOD1	-1.278	2.72E-08
SNORA14A	1.958	5.78E-09	PTPN22	-1.276	7.00E-14
MIR149	1.958	3.58E-03	FFAR2	-1.275	2.43E-06
MIR210HG	1.957	1.09E-39	AL450998.2	-1.275	5.33E-07
C1orf105	1.957	1.09E-05	APH1B	-1.275	7.28E-39
GAL3ST2	1.957	1.26E-11	SLC9C2	-1.274	2.72E-05
Z83844.2	1.956	3.47E-30	NALCN-AS1	-1.274	8.86E-06
SNORD65C	1.956	2.63E-05	LINC01736	-1.273	2.63E-03
TUBAL3	1.956	1.17E-13	SAMD9L	-1.273	5.72E-14
PCDH7	1.955	1.24E-17	TCEAL6	-1.273	9.81E-05
RPP40	1.954	6.98E-80	SLC5A2	-1.272	1.84E-10
MTHFD2	1.954	1.69E-55	LSAMP	-1.272	3.91E-09
STX1A	1.954	5.04E-44	CCR6	-1.272	1.83E-07
LIX1	1.953	2.31E-06	DNAAF4-CCPG1	-1.272	2.99E-03
DGUOK-AS1	1.952	1.92E-40	ZBTB4	-1.272	3.13E-60
EFNA4	1.952	3.50E-88	RARRES2	-1.272	4.72E-13
HAS3	1.951	1.33E-17	AKNA	-1.271	2.49E-19
AL033527.3	1.951	2.27E-14	CC2D2A	-1.271	1.38E-36
CYP2C18	1.951	2.55E-12	LINC01169	-1.271	1.67E-03
SNAI2	1.950	5.73E-39	RNF144B	-1.271	1.13E-19
SCGB1D2	1.950	1.76E-03	KDM6B	-1.270	5.61E-32
DNAH17	1.950	1.59E-14	RYR2	-1.269	1.35E-07
AC137794.1	1.949	9.64E-08	PPM1M	-1.268	6.36E-44
CES5AP1	1.948	1.93E-06	MYO9A	-1.268	1.62E-68
SBK1	1.948	1.61E-18	CREB3L1	-1.268	1.51E-10
ESPNP	1.947	6.54E-09	NCF1C	-1.268	2.86E-13
C15orf41	1.946	3.61E-65	ARL6IP5	-1.267	4.33E-32
CIB2	1.945	5.13E-32	LRRC6	-1.266	5.16E-12
FAXC	1.945	8.29E-25	CLDN23	-1.266	2.71E-15
ABCC1	1.945	7.11E-28	DUOXA1	-1.266	5.80E-13
EPOP	1.945	4.97E-35	TMEM56	-1.266	1.28E-13
NUTM2F	1.944	6.39E-11	SMC2-AS1	-1.265	8.09E-11
DGKA	1.944	1.74E-53	AAED1	-1.265	1.59E-38
FANCG	1.943	3.34E-59	TRIM61	-1.264	4.22E-09
TACC3	1.943	3.43E-74	MALL	-1.264	7.02E-10
HIST2H4A	1.943	3.01E-20	RFTN2	-1.264	7.73E-22
44077	1.942	4.51E-21	QKI	-1.264	4.86E-53
FAM25G	1.942	2.56E-03	AMY1A	-1.262	4.16E-03
PPP1R14D	1.942	1.05E-11	AQP8	-1.261	2.05E-06
OR6T1	1.941	3.25E-05	EHD4-AS1	-1.261	5.56E-13
SLC10A6	1.941	5.48E-11	ARHGAP25	-1.261	4.91E-27
ME1	1.941	1.01E-19	GALC	-1.260	2.56E-25
NPPB	1.938	4.35E-04	NEXN-AS1	-1.260	1.53E-15
SMOX	1.938	1.94E-41	CPEB3	-1.260	2.21E-39
FLG	1.937	1.08E-11	TMEM5-AS1	-1.260	6.45E-07
SV2A	1.937	3.44E-24	AC019117.1	-1.259	6.54E-06
HOXD9	1.937	4.30E-18	LINC01798	-1.259	4.93E-10
ADA	1.936	3.09E-33	MAN1C1	-1.259	1.02E-15
CACNG7	1.935	5.38E-04	LRRC37A11P	-1.258	1.01E-05
PLD1	1.935	2.73E-38	FMNL1	-1.257	3.46E-21
PLA2G4D	1.934	1.16E-12	MIR4635	-1.257	1.23E-09
SNORA71C	1.932	2.90E-24	ARRDC3	-1.257	5.72E-23
REEP2	1.929	7.68E-21	LRRC4B	-1.257	1.20E-07
NUDT1	1.928	7.27E-77	SLC4A8	-1.257	2.34E-09

EPS8L3	1.927	1.25E-05	TBC1D10C	-1.257	2.88E-12
LINC01311	1.927	8.10E-31	GANC	-1.256	7.20E-58
LINC01695	1.927	9.54E-09	C1QL3	-1.256	9.74E-09
AMBN	1.926	1.95E-03	STAT5A	-1.255	4.46E-23
PIR	1.925	4.04E-31	SDCBP	-1.255	3.97E-44
AL121832.1	1.924	4.72E-12	TMEM108	-1.255	3.26E-07
PRSS22	1.924	8.65E-20	ZNF597	-1.255	5.73E-13
LINC00161	1.924	3.97E-09	HAVCR2	-1.255	1.05E-13
MEIOC	1.924	4.19E-16	TJP1	-1.254	7.06E-46
CYSRT1	1.924	1.51E-17	LINC01526	-1.254	4.84E-10
SMAD5-AS1	1.923	2.22E-15	SBSPON	-1.254	1.84E-06
PATE2	1.923	3.96E-06	HSF5	-1.253	2.73E-07
IL20	1.922	5.91E-06	CADM2	-1.253	2.04E-04
AC009065.2	1.921	1.53E-16	RAB11FIP2	-1.253	3.13E-60
LINC01136	1.921	7.75E-24	TRIM36	-1.253	2.28E-10
CNTN5	1.920	2.64E-13	MTHFR	-1.253	2.26E-40
IL1RL2	1.920	3.20E-27	GZMM	-1.253	3.88E-10
SCG5	1.919	7.77E-20	MIR339	-1.249	5.69E-09
ZG16B	1.919	2.49E-11	ZBED3	-1.247	1.75E-27
AC104134.1	1.919	5.38E-16	FBXO15	-1.247	1.71E-09
FSIP2	1.918	4.08E-20	CC2D2B	-1.247	6.31E-14
AC002116.2	1.918	7.76E-35	ZNF844	-1.247	4.68E-14
FAM162A	1.917	2.36E-52	CCDC155	-1.246	2.30E-04
PHYHIPL	1.917	5.32E-09	CD226	-1.245	1.33E-12
OR51B4	1.917	1.43E-03	MIR548V	-1.245	2.84E-05
ZC3HAV1L	1.916	1.97E-48	SECTM1	-1.245	1.53E-14
SNORA38B	1.915	4.43E-10	ARL14EPL	-1.245	5.13E-03
KIFC2	1.915	6.92E-30	NCR1	-1.243	1.08E-06
THBS2	1.914	6.53E-21	EPB41L2	-1.242	4.65E-23
DUOXA2	1.914	4.95E-12	EVI2A	-1.242	5.33E-11
MIR23C	1.914	9.73E-05	SLC15A2	-1.242	1.57E-13
WFDC21P	1.913	1.28E-11	CLDN2	-1.240	7.10E-05
C1GALT1C1L	1.913	7.46E-17	MIR663AHG	-1.240	3.65E-04
ADGRB1	1.913	1.30E-11	GPR34	-1.239	4.47E-10
SULF1	1.912	5.14E-25	SGCE	-1.239	3.22E-13
E2F1	1.911	7.06E-58	ABI3	-1.238	3.21E-17
MIR3122	1.911	1.37E-06	CCDC60	-1.238	1.08E-03
MUC13	1.910	3.97E-07	B3GNT8	-1.238	5.88E-13
PPP1R3G	1.910	5.20E-27	MASP2	-1.238	5.50E-15
SOX9	1.910	4.03E-20	SYDE2	-1.238	6.45E-16
TSPEAR-AS2	1.909	2.42E-09	IFIT2	-1.238	1.54E-11
FGFBP2	1.909	3.05E-05	UBQLNL	-1.238	5.89E-12
MIR4258	1.909	6.09E-17	C3orf49	-1.237	6.93E-28
MYF6	1.907	5.00E-06	PSMD6-AS2	-1.237	5.92E-17
TPO	1.907	6.74E-10	KRT27	-1.237	2.40E-03
C17orf74	1.907	7.95E-06	DOK3	-1.237	3.55E-17
CHRNA7	1.906	3.47E-14	LINC00092	-1.235	1.43E-06
STMN4	1.904	2.66E-08	LINC00092	-1.235	1.43E-06
AC006449.5	1.904	2.40E-32	SMPD3	-1.235	1.13E-10
PGBD5	1.903	2.79E-15	GP6	-1.235	1.31E-08
LINC01182	1.903	3.16E-04	MIR619	-1.234	2.86E-04
ADGRF2	1.900	9.16E-10	PRKD1	-1.234	1.71E-15
AC011294.1	1.900	1.09E-07	LY6G6E	-1.233	1.55E-03
EDAR	1.900	1.53E-11	LILRB1	-1.233	1.61E-12
EML6	1.900	1.02E-22	LILRB1	-1.233	1.61E-12
DMC1	1.898	2.72E-23	UACA	-1.232	1.61E-40

AC021092.1	1.897	3.13E-16	KCNN3	-1.231	5.72E-11
RNF17	1.897	5.99E-11	FAM20A	-1.231	9.52E-13
TET1	1.897	9.57E-30	SLC25A20	-1.230	2.20E-32
AC112484.2	1.895	1.41E-27	FCGR1CP	-1.230	1.39E-09
TPI1P2	1.895	2.18E-44	MIR7848	-1.230	1.48E-05
CACNA1I	1.895	2.77E-13	HIC1	-1.229	1.42E-18
MUC4	1.894	1.74E-10	SORCS2	-1.228	8.68E-07
PGK2	1.894	3.29E-06	AQP5	-1.227	5.49E-04
ADAMTSL5	1.893	2.40E-22	IL17RE	-1.227	1.68E-18
ANKRD33	1.893	6.58E-07	S100G	-1.226	3.29E-03
FAM169A	1.892	1.63E-29	TTLL7	-1.226	1.32E-10
SNORA26	1.891	2.34E-23	STAC3	-1.226	4.19E-28
PIRT	1.891	3.79E-03	RASGRP3	-1.226	2.56E-18
DNAH14	1.890	6.31E-35	VENTX	-1.225	4.40E-10
LRFN4	1.890	3.50E-54	LRRC4C	-1.225	3.84E-07
PRR7	1.889	1.30E-41	CCL3	-1.224	7.84E-11
AC010643.1	1.889	7.02E-14	CTNNAL1	-1.224	6.91E-16
MIS18A	1.889	1.43E-91	SCRG1	-1.224	1.10E-05
GPR37	1.888	4.84E-13	TCP11L2	-1.223	9.67E-34
KIF26B	1.888	2.16E-29	AMOTL2	-1.223	7.02E-21
AC012531.2	1.887	1.23E-05	TSPAN2	-1.223	7.93E-10
RPRM	1.886	4.90E-12	COL14A1	-1.222	1.23E-06
LINC01339	1.885	2.35E-04	AQP4-AS1	-1.222	1.14E-04
SCG2	1.885	2.86E-11	MPP1	-1.222	9.63E-18
WIPF3	1.885	2.62E-18	WTIP	-1.221	4.72E-14
ENTHD1	1.883	1.23E-13	RGS16	-1.221	1.14E-13
AP001993.1	1.883	7.04E-03	GAB1	-1.221	2.61E-26
AC009053.3	1.883	1.36E-05	TNNI2	-1.220	7.04E-07
B4GALT4-AS1	1.882	7.83E-07	LINC02288	-1.219	2.36E-12
AL355922.2	1.882	4.72E-24	CCL17	-1.219	1.33E-07
TM4SF19-AS1	1.880	2.37E-22	VMO1	-1.219	2.83E-09
AL356417.2	1.880	9.16E-16	ITGA7	-1.219	5.39E-16
GPR78	1.880	5.27E-12	PLIN2	-1.219	2.11E-12
LINC01823	1.879	2.18E-04	SH3BP5-AS1	-1.218	1.89E-16
AC007773.1	1.879	9.32E-25	TEC	-1.218	3.98E-20
MYO19	1.878	2.09E-92	TIMP2	-1.217	5.77E-15
ZWILCH	1.878	2.73E-124	WDR49	-1.217	3.15E-05
GBX1	1.877	2.16E-04	PXDC1	-1.217	4.45E-23
LINC02495	1.877	1.67E-09	CORIN	-1.216	1.97E-09
ANKLE1	1.877	1.95E-20	BEND7	-1.216	1.24E-09
TKTL2	1.876	2.30E-05	LCNL1	-1.216	3.09E-06
TTC22	1.876	5.74E-37	TRANK1	-1.215	1.08E-21
LINC00605	1.875	7.39E-07	KCNK5	-1.215	1.25E-09
DVL3	1.874	6.85E-56	LIPA	-1.215	7.80E-21
AC098934.2	1.874	2.20E-20	AC107067.1	-1.215	4.95E-08
DRD2	1.873	1.75E-09	MID1IP1	-1.215	1.67E-36
IGF2-AS	1.872	8.47E-07	PCDHA10	-1.214	1.02E-05
LBX2	1.872	1.36E-26	STUM	-1.214	1.41E-06
SERINC2	1.872	2.12E-24	RNF126P1	-1.214	2.22E-04
CALB2	1.872	4.21E-08	HIP1	-1.213	8.10E-32
NUTM1	1.871	1.22E-08	RAB3C	-1.213	4.38E-06
GATA3-AS1	1.870	7.56E-07	PPFIA2	-1.212	4.01E-09
PCNA	1.869	4.89E-89	FBN3	-1.212	1.19E-03
HIST1H3E	1.869	1.26E-22	BDNF	-1.211	9.12E-07
AKR1C8P	1.868	7.97E-09	CD164L2	-1.210	1.67E-08
LINC02228	1.868	2.23E-05	LGALS2	-1.210	1.43E-09

SNORA69	1.868	2.29E-12	LRRC75A	-1.210	1.34E-10
TFAP4	1.867	1.18E-88	MIR6503	-1.210	3.28E-05
ZDHHC22	1.866	2.19E-05	CTDSPL	-1.209	2.48E-43
AVP	1.866	1.09E-03	DKFZP434K028	-1.209	1.64E-04
NDP	1.866	1.20E-10	VWA5A	-1.209	4.97E-18
FRMD5	1.865	2.50E-13	INPP5K	-1.209	4.12E-78
IL22RA1	1.865	2.43E-27	AL109910.2	-1.208	2.43E-03
AL591806.1	1.865	1.05E-16	PHYHIP	-1.208	5.38E-10
LINC02029	1.865	7.15E-08	FHOD1	-1.208	4.69E-24
UGT2B17	1.865	2.77E-07	TRABD2B	-1.208	1.06E-07
OCA2	1.864	7.56E-08	SMARCA5-AS1	-1.208	1.27E-08
LMAN1L	1.862	1.25E-03	CLU	-1.208	1.38E-10
DANCR	1.861	2.09E-31	G0S2	-1.207	2.93E-07
RANBP1	1.861	1.01E-76	MICAL2	-1.207	1.99E-13
CLEC18C	1.860	2.35E-05	MICAL2	-1.207	1.99E-13
ADGRB2	1.860	7.68E-23	ARHGEF2	-1.207	1.01E-36
UBD	1.859	4.65E-12	PDE3B	-1.207	2.02E-18
ANKRD2	1.859	1.01E-16	AL590764.1	-1.207	3.28E-11
AL445250.1	1.859	2.60E-11	CPQ	-1.207	2.34E-19
AC009121.2	1.858	5.09E-15	LRRFIP1	-1.207	4.02E-39
AC008392.1	1.858	4.27E-05	ASRGL1	-1.206	7.09E-10
ADIG	1.857	3.18E-03	DKFZp779M0652	-1.206	1.18E-07
SNORA74D	1.857	6.81E-07	EMP1	-1.206	2.40E-14
SPRED3	1.857	4.32E-32	AL031666.1	-1.206	6.75E-11
MIR3651	1.856	1.68E-06	ZNF483	-1.205	1.44E-14
FRRS1	1.855	3.95E-37	TCEAL7	-1.205	7.25E-10
SYT9	1.855	6.44E-07	TMEM217	-1.205	7.14E-17
FAAP24	1.855	3.82E-60	CSF2RB	-1.205	2.85E-08
WDR97	1.855	1.72E-15	TUBA1A	-1.204	4.18E-13
COL9A2	1.855	1.43E-14	PARP15	-1.202	1.12E-08
LOXL1-AS1	1.854	3.64E-40	SSC5D	-1.202	2.09E-09
FJX1	1.854	1.19E-31	SEMA6B	-1.202	1.25E-15
TMEM178B	1.854	1.91E-08	TLN1	-1.202	2.41E-27
PTTG3P	1.854	9.21E-07	JUN	-1.201	6.55E-19
EFS	1.854	8.25E-41	SOWAHD	-1.201	6.28E-16
DAZL	1.853	2.73E-08	CLC	-1.201	3.07E-03
PLEKHG4	1.853	3.21E-29	NAV3	-1.200	8.02E-10
SNORD92	1.853	3.36E-06	C1orf127	-1.200	1.17E-09
ST18	1.852	1.83E-11	OTOA	-1.199	2.59E-10
TNC	1.851	3.58E-14	PLXDC2	-1.199	1.65E-16
LINC01397	1.850	4.51E-08	GNAI2	-1.199	1.21E-57
LINC01788	1.850	7.59E-04	RMDN3	-1.197	2.27E-74
LINC01991	1.849	9.24E-05	AC095032.1	-1.197	4.85E-04
LINC02362	1.848	3.42E-16	AC025279.1	-1.196	2.38E-08
FBXO41	1.848	7.07E-44	KRT7	-1.196	3.34E-04
PLSCR5	1.848	1.55E-03	LBH	-1.195	2.98E-23
UGT2B15	1.847	2.56E-06	AC138649.1	-1.194	4.69E-05
CD24	1.844	3.31E-17	RALGAPA2	-1.194	2.09E-22
UG0898H09	1.844	2.98E-04	LINC01801	-1.194	1.00E-07
SNORD14E	1.844	5.74E-15	MT1E	-1.194	6.37E-07
MIR1249	1.844	1.82E-15	RNF128	-1.193	7.79E-07
BRSK2	1.844	6.41E-10	BCL2A1	-1.193	8.61E-08
TNFSF18	1.843	4.90E-10	PRKG2	-1.193	1.48E-09
HCN2	1.843	1.39E-21	FKBP5	-1.192	1.46E-13
KLHL7-AS1	1.842	4.12E-21	SLCO1C1	-1.192	4.92E-10
DUOX2	1.842	5.27E-12	HS1BP3-IT1	-1.192	2.25E-09

AC002454.1	1.842	2.57E-10	SNORD116-2	-1.192	4.77E-04
LINC01603	1.841	1.25E-05	SNAI1	-1.190	2.49E-12
HIST2H2AB	1.840	5.87E-10	TJP3	-1.190	6.33E-07
SLC38A3	1.838	5.09E-11	CKMT2	-1.190	3.19E-20
TBC1D3J	1.838	7.11E-03	ESM1	-1.190	5.27E-12
SOX12	1.838	8.42E-45	SOBP	-1.190	3.88E-09
HOXC4	1.838	1.77E-19	HVCN1	-1.190	7.48E-17
PIWIL2	1.837	5.07E-10	NEK7	-1.190	5.63E-35
LINC02116	1.837	7.55E-03	CCDC175	-1.189	6.09E-03
SLX1A	1.836	2.07E-08	REEP1	-1.189	5.17E-07
AC008132.1	1.836	3.77E-06	SLC9A7P1	-1.189	7.75E-09
OR13H1	1.835	9.73E-05	ZNF493	-1.188	5.86E-13
NRK	1.832	5.67E-11	KBTBD13	-1.188	3.23E-03
SNORA74A	1.832	6.28E-06	IFFO1	-1.188	8.52E-17
HNRNPCL1	1.831	1.95E-07	CDKN1C	-1.188	7.95E-13
SEC14L2	1.830	5.46E-23	LINC00189	-1.188	8.63E-06
LINC01101	1.830	3.34E-05	PRODH	-1.187	9.03E-09
EDN2	1.829	2.60E-08	DYRK3	-1.187	3.55E-18
LIPI	1.829	3.24E-11	SCAI	-1.186	1.07E-42
EIF5A2	1.829	4.46E-33	RSPH14	-1.186	7.51E-08
KRT25	1.828	4.62E-04	WNT3A	-1.186	4.13E-06
STMN1	1.828	1.25E-48	TMIE	-1.186	3.10E-10
CPSF4L	1.828	1.40E-10	DCUN1D3	-1.186	4.41E-35
TSHR	1.825	1.83E-13	CSF1R	-1.185	7.84E-12
C5orf66-AS2	1.824	3.81E-04	PDZRN3	-1.184	1.39E-10
HILPDA	1.824	5.21E-23	AC108062.1	-1.184	7.47E-14
LINC01152	1.823	8.19E-08	CTSD	-1.183	5.66E-25
PLA2G4B	1.822	1.26E-17	UBTD1	-1.183	3.92E-30
FAM171A2	1.822	1.07E-26	PPP1R1B	-1.183	1.18E-04
IL1A	1.821	1.15E-08	MEDAG	-1.182	2.13E-08
PKP2	1.820	9.06E-23	AL590999.1	-1.182	2.31E-15
CHST2	1.819	1.69E-16	CCDC89	-1.181	1.73E-08
TF	1.819	8.43E-10	ST3GAL6	-1.181	4.40E-17
MIR4671	1.819	2.83E-05	PPP5D1	-1.181	4.35E-21
LINC00486	1.818	8.16E-05	GP1BA	-1.181	1.90E-10
NT5DC4	1.818	8.55E-19	NCALD	-1.180	7.43E-11
MARVELD3	1.818	9.41E-62	CPNE9	-1.180	1.60E-09
HTR6	1.817	5.04E-10	ENPEP	-1.180	5.08E-17
PPIF	1.816	3.36E-59	RPH3A	-1.180	7.79E-05
LINC02547	1.816	1.39E-04	DHCR24	-1.180	2.36E-23
ATP12A	1.815	2.15E-07	RNF145	-1.179	4.57E-40
KIAA1024	1.815	3.01E-33	PCDHGC3	-1.179	2.24E-14
RNF217-AS1	1.814	7.51E-20	MME	-1.179	6.29E-05
MIR6499	1.814	1.06E-03	SPTAN1	-1.178	1.71E-53
LCT	1.813	4.04E-08	SMIM14	-1.178	2.67E-27
OR4C6	1.813	1.88E-04	ITK	-1.178	1.56E-08
PNLIPRP1	1.813	3.77E-04	HAS2	-1.178	2.95E-07
MGAM2	1.813	1.76E-06	NOD1	-1.178	8.87E-47
C1orf220	1.813	1.27E-20	VWC2L	-1.178	7.67E-04
AC079594.2	1.813	6.27E-06	SLC12A4	-1.177	7.88E-28
ARL4D	1.812	1.06E-22	ITIH4-AS1	-1.176	2.33E-05
PI15	1.812	3.82E-21	AC013470.2	-1.176	1.54E-05
PROZ	1.810	4.34E-13	C4BPB	-1.176	1.11E-03
EFCAB8	1.807	2.53E-10	IFITM4P	-1.175	4.45E-07
MIR548AC	1.805	1.42E-05	CD81	-1.175	1.28E-60
LINC01121	1.804	2.33E-14	OR56B1	-1.175	7.07E-03

AL513327.2	1.804	1.25E-12	KIF9	-1.174	3.51E-37
EPHA1	1.804	2.40E-39	LYSMD3	-1.174	5.65E-44
RPL22L1	1.803	1.11E-32	IL12RB1	-1.174	5.82E-11
RPLP0P2	1.803	1.12E-23	IFT140	-1.173	4.48E-28
INCENP	1.802	5.24E-84	TMSB4X	-1.172	2.28E-21
AMER3	1.802	6.28E-04	CPVL	-1.172	2.47E-10
DENND5B-AS1	1.802	8.78E-10	MIR6774	-1.172	1.43E-03
GLIS1	1.801	2.08E-13	AC104662.2	-1.171	5.27E-03
MIXL1	1.799	4.52E-17	AC106788.1	-1.170	1.96E-09
NTN3	1.798	6.08E-12	ARHGAP26-IT1	-1.170	2.54E-03
AC092384.2	1.797	8.88E-15	GOLGA8M	-1.170	1.79E-07
TBX6	1.797	2.70E-21	ATP6V0D2	-1.169	1.85E-07
KTN1-AS1	1.797	5.73E-47	TSC22D1	-1.168	1.41E-24
LINC01567	1.796	1.52E-04	OASL	-1.168	1.76E-07
TGFA	1.795	3.52E-27	TGFB2	-1.168	3.51E-07
S100A16	1.795	4.25E-32	C14orf144	-1.168	5.27E-04
CLCN1	1.794	1.05E-11	B2M	-1.167	2.25E-16
MEI4	1.794	2.45E-05	CHRNA10	-1.166	3.55E-17
ATG9B	1.794	3.95E-18	C1orf186	-1.166	9.86E-06
RCC1	1.793	2.23E-90	AL583824.1	-1.165	1.56E-07
FAM83H	1.793	1.36E-56	AGTPBP1	-1.165	2.16E-41
MIR8070	1.793	6.03E-03	ZNF429	-1.165	1.62E-12
HOXD8	1.792	1.82E-15	OR5P3	-1.165	4.42E-03
CADM4	1.792	7.49E-35	LDLRAD2	-1.165	2.39E-16
RAB40AL	1.790	2.28E-10	LINC01960	-1.165	2.18E-08
RNF144A-AS1	1.789	3.64E-17	SPX	-1.164	4.35E-04
MCM6	1.789	4.87E-86	FLT3	-1.164	6.10E-08
LRFN1	1.789	6.93E-27	B4GAT1	-1.164	4.29E-41
FNDC1	1.789	1.01E-13	SH3GL3	-1.164	4.12E-06
CCT5	1.789	7.00E-74	RNU5F-1	-1.162	1.92E-05
MMP7	1.789	3.51E-11	PDE6A	-1.162	8.48E-07
SCARNA12	1.788	1.22E-21	SRGAP3-AS4	-1.161	1.09E-03
SCARNA4	1.788	2.04E-07	USP53	-1.161	7.40E-35
AC010531.4	1.788	9.52E-06	AC138356.1	-1.161	5.48E-13
ANKRD26P1	1.787	7.44E-04	SRGAP2C	-1.161	9.40E-42
PUS7	1.786	3.38E-72	LINC01354	-1.161	4.93E-06
CD70	1.786	2.02E-09	MATK	-1.161	3.24E-11
AC092506.1	1.786	6.05E-06	TK2	-1.160	1.52E-49
ABCC11	1.785	2.93E-25	ARID5A	-1.159	9.32E-32
DKC1	1.785	2.44E-87	LINC01030	-1.159	8.73E-03
BICDL1	1.785	4.03E-36	GBP3	-1.159	9.81E-13
G6PD	1.785	1.07E-21	ARMC9	-1.159	3.83E-32
NHS	1.784	2.17E-35	ANTXR2	-1.159	2.96E-16
LINC01634	1.784	2.39E-06	BOK-AS1	-1.159	2.78E-03
SLC2A2	1.784	2.61E-03	CD86	-1.159	2.41E-14
GLI2	1.784	3.78E-13	TIPARP	-1.158	2.00E-17
CDH7	1.783	4.01E-04	HCK	-1.157	1.48E-12
DKK1	1.782	5.32E-11	LRP1	-1.157	1.44E-17
AC019294.2	1.782	6.01E-18	SLC2A3	-1.157	9.85E-08
CYP4F30P	1.781	1.24E-03	KIAA0513	-1.157	2.26E-16
MMP8	1.780	4.23E-09	AC008663.2	-1.156	1.46E-11
GALNT8	1.780	8.09E-08	THRA	-1.156	9.95E-32
GALNT8	1.780	8.09E-08	JUNB	-1.156	6.10E-16
MGME1	1.780	2.66E-97	PCDHGB4	-1.155	1.22E-05
BRIX1	1.779	1.08E-70	BATF3	-1.155	1.14E-13
LINC01492	1.779	9.75E-05	ASB4	-1.155	3.36E-05

LINC00706	1.779	2.11E-05	SGIP1	-1.155	4.50E-13
CELA3B	1.779	7.03E-04	ZNF831	-1.155	4.96E-07
AC021491.2	1.778	3.29E-12	LINC02458	-1.154	3.81E-06
AP002852.2	1.778	5.04E-13	SESTD1	-1.154	3.35E-28
SNORD17	1.777	7.43E-26	IFIT3	-1.154	2.25E-09
TUBA1C	1.777	7.44E-70	OSTN	-1.153	9.55E-03
CIART	1.777	2.59E-26	PDE4A	-1.152	9.41E-20
TCF19	1.777	1.93E-72	PWAR5	-1.151	2.88E-07
AKR1D1	1.777	6.37E-09	NRAP	-1.151	6.64E-04
COA6	1.777	2.98E-33	RELN	-1.151	9.52E-05
MOV10L1	1.776	1.88E-16	CYGB	-1.151	6.19E-20
LYPD2	1.775	2.11E-05	PLEK	-1.151	7.20E-10
AC073530.1	1.775	4.60E-04	PKN2-AS1	-1.150	9.40E-10
SLC7A10	1.774	2.10E-07	PPP1R3C	-1.150	2.45E-07
NUP155	1.774	2.51E-78	ANKS1A	-1.150	3.33E-42
MB	1.774	2.55E-09	LINC01963	-1.149	2.35E-15
FHL2	1.773	9.99E-21	PKDCC	-1.149	8.42E-07
AL451074.2	1.772	1.37E-25	CD47	-1.149	5.37E-22
XYLB	1.771	2.68E-41	ZNF441	-1.149	1.03E-30
DDN-AS1	1.771	8.09E-29	NUTM2D	-1.148	7.09E-18
HRH3	1.770	9.53E-05	MXD4	-1.147	4.43E-38
RASSF6	1.770	4.25E-18	ARMCX1	-1.146	2.13E-14
CHRM3-AS1	1.769	3.47E-06	NICN1	-1.146	1.17E-44
SORD2P	1.769	2.77E-22	AL391845.1	-1.145	9.72E-06
BORA	1.768	4.13E-68	TOM1L2	-1.145	1.34E-24
KHDC1	1.768	7.27E-36	BBOF1	-1.145	3.92E-18
AC008687.4	1.768	5.95E-14	PFKFB2	-1.144	5.91E-37
SPINK5	1.768	8.93E-12	CELF2-AS1	-1.144	2.28E-05
CHKB-CPT1B	1.767	4.46E-22	UCKL1-AS1	-1.144	3.17E-10
SESN3	1.766	2.84E-24	TCF7L1-IT1	-1.143	6.43E-06
OR1F2P	1.763	7.60E-04	TMEM245	-1.143	4.26E-40
CYP2C9	1.762	1.91E-07	SERPINF2	-1.141	1.23E-11
POC1A	1.762	1.28E-77	CYTIP	-1.141	4.72E-10
PABPC1L	1.761	1.14E-23	MIR148B	-1.141	1.16E-04
TMEM14A	1.759	1.89E-39	RAP1GAP	-1.141	1.79E-11
LINC01068	1.759	8.52E-09	SBK3	-1.140	5.38E-06
PFKP	1.759	1.36E-50	VWA7	-1.140	8.46E-12
SNORD72	1.758	4.13E-11	DENND4C	-1.140	2.77E-33
TKTL1	1.757	3.94E-04	ADGRA2	-1.140	2.25E-14
RTN4R	1.757	8.75E-30	RTL5	-1.140	3.75E-11
MIR579	1.756	9.90E-08	ANKUB1	-1.139	1.16E-04
PRC1-AS1	1.755	2.12E-23	COLEC10	-1.138	4.29E-04
PDE11A	1.755	5.13E-10	IL11RA	-1.138	3.53E-13
PAK1	1.754	6.43E-53	MISP	-1.138	1.01E-07
SLC5A6	1.754	1.59E-55	CHDH	-1.137	1.27E-08
CLDN14	1.753	2.86E-15	SAMD3	-1.137	9.15E-09
PATE4	1.753	4.62E-05	MACC1	-1.136	3.61E-09
OLIG2	1.752	4.69E-06	SLC44A2	-1.136	7.04E-34
AC024600.1	1.752	4.94E-04	RENBP	-1.136	2.77E-15
LINC01883	1.750	6.00E-03	FRMD4B	-1.135	4.71E-28
NOX5	1.749	4.26E-10	CCDC196	-1.135	3.09E-05
ADAM20P1	1.749	7.55E-14	AC027682.6	-1.135	3.35E-13
GAL3ST3	1.749	1.89E-04	FIG4	-1.135	3.03E-45
SLC12A8	1.748	6.83E-37	TRH	-1.134	2.76E-04
RAET1G	1.747	1.24E-11	C11orf70	-1.134	6.72E-08
WASIR1	1.746	1.68E-03	SCML4	-1.133	2.45E-07

WASIR1	1.746	1.68E-03	PON3	-1.133	2.77E-05
ZSWIM2	1.746	3.91E-03	C16orf96	-1.132	7.67E-09
H2AFY2	1.744	2.35E-36	LHX6	-1.132	1.01E-11
C20orf204	1.744	1.07E-18	GLCCI1	-1.132	9.96E-18
SDK1	1.742	2.79E-23	SPINK13	-1.132	5.61E-04
RFC5	1.742	5.01E-86	AC005165.1	-1.132	5.40E-04
MMS22L	1.740	2.28E-84	SLC19A1	-1.131	1.46E-31
SYT10	1.740	1.12E-04	CLEC4A	-1.131	7.00E-11
CMSS1	1.740	4.92E-62	GALNT18	-1.130	3.41E-15
SNORA46	1.739	4.17E-07	KBTBD8	-1.130	7.40E-15
NME1-NME2	1.739	1.37E-30	IRF1	-1.130	8.23E-15
GOLGA8EP	1.739	1.44E-03	KLHL4	-1.129	6.94E-05
ASB18	1.738	5.72E-04	PRICKLE1	-1.129	2.53E-10
FAM171B	1.738	7.08E-19	MTMR10	-1.128	1.37E-36
TMEM75	1.737	5.55E-13	JMJD1C	-1.128	2.39E-35
PSMD2	1.737	2.68E-62	ZNF503-AS1	-1.128	4.26E-05
AC067968.2	1.734	7.48E-05	LINC01797	-1.127	6.12E-04
GMPS	1.733	1.55E-71	SYTL3	-1.127	9.59E-14
AP000770.1	1.732	1.82E-03	NFATC1	-1.127	3.19E-18
FAM205BP	1.732	4.73E-03	TRG-AS1	-1.127	1.86E-10
ADAMTS14	1.732	1.29E-19	RSAD2	-1.127	4.18E-07
COL5A2	1.732	2.14E-18	CORO7-PAM16	-1.127	1.92E-11
HIST1H3A	1.731	2.67E-08	SLIT2-IT1	-1.126	1.21E-03
MIR135B	1.730	6.62E-05	IDNK	-1.126	3.30E-25
TRIB3	1.730	8.42E-23	C16orf86	-1.125	8.56E-20
GOT1L1	1.730	4.66E-03	DBH	-1.125	2.59E-07
YEATS2	1.729	6.32E-42	AC009078.2	-1.125	6.52E-08
HIST2H2AC	1.729	3.32E-22	RBKS	-1.125	3.06E-21
AC007785.3	1.729	1.81E-10	DKFZP434A062	-1.125	5.37E-06
KCNJ9	1.729	2.84E-08	POU6F1	-1.124	2.72E-27
CKS2	1.725	4.96E-38	NPDC1	-1.124	1.08E-14
CAPZA3	1.725	1.60E-03	KCNMB1	-1.124	4.99E-11
CNIH2	1.725	7.10E-20	ANO6	-1.124	3.38E-40
DCUN1D1	1.724	7.18E-34	MINDY4	-1.124	1.84E-20
TPI1	1.724	2.59E-68	ENPP7	-1.122	2.06E-04
AL365203.1	1.723	3.94E-11	NEDD4L	-1.122	4.73E-23
HIST1H1A	1.723	1.97E-03	ST7	-1.122	7.66E-57
OR2H2	1.722	3.39E-06	ST7	-1.122	7.66E-57
LINC02182	1.722	9.70E-07	NALCN	-1.122	2.23E-07
RUFY4	1.721	1.10E-12	ZHX3	-1.121	1.50E-34
SRRM5	1.721	3.64E-34	LINC00852	-1.121	2.77E-21
LINC00635	1.721	1.17E-03	MIR657	-1.121	7.32E-05
EXOSC5	1.718	4.32E-60	SH3KBP1	-1.121	2.11E-16
ZFP69B	1.718	4.55E-36	AC008629.1	-1.121	6.66E-08
SLC16A14	1.718	3.82E-19	ADRA1D	-1.120	2.48E-04
MCF2L2	1.718	8.94E-21	OR2C1	-1.120	1.92E-07
CEP72	1.717	1.19E-49	CD247	-1.120	8.10E-11
PKHD1	1.717	2.45E-08	PRG2	-1.120	1.05E-06
SDC1	1.716	3.99E-36	CX3CL1	-1.120	1.26E-09
FMO1	1.716	2.68E-13	SFXN3	-1.119	1.07E-20
ATCAY	1.714	1.95E-05	C11orf63	-1.119	2.60E-11
MIR6814	1.714	2.29E-05	FRAT1	-1.119	4.46E-25
CLRN1-AS1	1.714	1.31E-05	LINC01890	-1.119	1.41E-03
SERPINB10	1.714	2.54E-05	TMEM140	-1.119	1.10E-33
NRG4	1.713	2.72E-14	LINC00271	-1.119	1.73E-11
HIST1H4L	1.713	5.98E-04	DOCK10	-1.119	4.48E-11

WISP1	1.712	9.99E-18	SIAE	-1.118	3.97E-20
NCS1	1.712	1.16E-41	BTN3A2	-1.118	9.06E-17
MRPL47	1.711	3.32E-60	FYN	-1.117	1.43E-18
ERC2-IT1	1.710	1.30E-04	TNFRSF14-AS1	-1.117	3.84E-10
TCTEX1D2	1.709	1.13E-27	PHOSPHO1	-1.117	5.95E-07
MRPS12	1.707	1.74E-47	AF111167.2	-1.116	8.31E-12
AC120114.1	1.707	7.36E-31	GUCY1A3	-1.116	2.19E-15
LINC01502	1.706	1.46E-03	COL4A3BP	-1.116	3.28E-61
GAMT	1.706	2.00E-26	LGALS3	-1.115	5.52E-18
GLRA2	1.704	2.74E-06	BDH2	-1.115	1.61E-30
TMEM177	1.703	2.71E-79	SLCO4A1	-1.114	1.01E-06
HPN-AS1	1.703	1.97E-10	KLHL6	-1.114	1.61E-09
TEX46	1.701	8.12E-12	VNN3	-1.114	3.05E-04
AC091940.1	1.701	3.70E-05	MBNL2	-1.113	1.13E-22
PSG10P	1.700	8.14E-03	ZNF662	-1.112	7.16E-08
LHB	1.699	4.89E-14	COL18A1-AS1	-1.111	3.19E-04
LINC01869	1.698	5.77E-18	ADHFE1	-1.110	3.55E-10
MRPL12	1.697	3.59E-50	CACNB2	-1.110	4.80E-13
GLRA4	1.697	4.37E-04	ZNF804A	-1.110	4.70E-06
AC239868.2	1.696	9.18E-33	SUCLG2-AS1	-1.109	6.18E-20
ACER1	1.696	3.50E-06	VSX2	-1.109	2.38E-03
SNHG25	1.696	1.46E-22	HNRNPA1P33	-1.108	2.89E-04
MAFG-AS1	1.696	4.37E-33	LINC01655	-1.108	2.62E-05
HSD17B3-AS1	1.695	3.04E-07	AC097381.1	-1.108	6.74E-08
AC073359.1	1.695	4.23E-03	ITPKC	-1.107	1.12E-15
LINC01563	1.694	4.35E-04	RASSF1	-1.107	1.42E-41
TEX45	1.694	3.48E-14	ITPKB-IT1	-1.107	2.04E-05
C12orf42	1.693	5.51E-14	LINC01489	-1.107	1.65E-03
PENK	1.693	7.33E-05	OLIG1	-1.107	2.68E-03
GNB3	1.692	1.27E-23	CCDC146	-1.106	4.40E-10
MYOM3	1.692	2.79E-09	ADTRP	-1.105	1.63E-05
SRMS	1.691	1.64E-12	AMY2B	-1.105	8.92E-09
LINC01600	1.691	1.84E-12	LINC01336	-1.104	3.12E-09
SDK2	1.691	1.83E-14	APLP2	-1.104	2.66E-29
PLSCR2	1.691	1.03E-10	NACC2	-1.104	5.00E-27
MIR1302-3	1.691	7.60E-06	HSDL2	-1.103	5.51E-33
LMX1A	1.690	4.25E-04	BTBD19	-1.102	1.26E-10
CALHM3	1.690	1.02E-05	TMEM231	-1.101	4.42E-14
DLG5	1.689	5.31E-46	CCDC36	-1.101	7.78E-12
NIPAL1	1.689	5.40E-23	ZNF438	-1.101	3.09E-36
PAQR4	1.689	7.71E-46	MDS2	-1.100	5.11E-08
LINC01694	1.689	4.05E-09	NAIP	-1.100	4.45E-10
SPINK2	1.688	7.48E-09	MCL1	-1.099	2.69E-41
ALDOC	1.687	5.39E-29	AC097468.1	-1.099	6.15E-03
TMTC3	1.684	1.01E-58	ARHGAP45	-1.099	1.99E-18
HPRT1	1.684	1.96E-61	LINC02274	-1.099	7.88E-04
CHAC1	1.684	1.48E-27	INPP5D	-1.098	1.09E-10
RFX8	1.684	5.00E-20	AL359736.1	-1.098	1.66E-04
PCDHGA1	1.683	6.64E-16	PLXNA4	-1.097	1.56E-07
DONSON	1.682	3.88E-69	GALNT12	-1.097	5.64E-15
PDCD2L	1.681	3.20E-49	BAIAP3	-1.097	2.07E-07
LINC01209	1.681	8.08E-04	AC021054.1	-1.096	1.08E-17
NCBP2-AS2	1.681	5.84E-50	ITPRIP	-1.096	2.95E-18
FAM47A	1.681	3.42E-03	NFIB	-1.096	4.35E-13
EXTL3-AS1	1.680	2.13E-16	LRRC77P	-1.095	2.46E-05
BHMG1	1.679	6.58E-07	MBNL1-AS1	-1.095	3.20E-12

EPHX3	1.679	4.95E-10	AK8	-1.095	2.29E-09
DRD4	1.679	1.45E-21	VASN	-1.095	2.78E-10
BMP8A	1.679	6.18E-21	IFIT5	-1.094	3.72E-24
RASL11B	1.678	1.13E-17	NFASC	-1.093	5.41E-09
LAMP5-AS1	1.678	3.57E-04	FAM212B	-1.093	3.44E-19
AP005205.2	1.677	1.73E-10	DHRS12	-1.092	6.92E-29
MZT2A	1.677	1.06E-60	AC104024.1	-1.092	2.04E-04
HSD17B1	1.677	1.73E-28	VAT1	-1.091	6.05E-28
NMNAT3	1.677	1.14E-26	DNAH2	-1.091	1.74E-05
CD109	1.676	4.37E-23	LINC00310	-1.089	1.08E-13
SRPK3	1.676	1.92E-15	ASGR2	-1.089	7.03E-10
AC068831.1	1.676	6.77E-27	HACD1	-1.088	1.06E-08
PCSK6-AS1	1.675	9.09E-03	FITM1	-1.088	9.04E-13
HIST2H2AA4	1.675	6.29E-04	PCYOX1	-1.088	8.15E-35
RCC2	1.675	2.23E-88	CST3	-1.087	1.90E-25
CD3EAP	1.674	4.62E-61	GNLY	-1.087	3.91E-07
SNORA58B	1.674	8.90E-07	HCN4	-1.087	3.41E-03
ZAR1L	1.674	1.21E-06	PCED1B-AS1	-1.087	8.79E-10
SLC17A7	1.673	3.50E-09	ITGBL1	-1.086	1.10E-06
PMCH	1.673	8.91E-10	CLEC4C	-1.086	1.45E-04
ITGA6	1.673	4.32E-24	SDR42E2	-1.086	6.00E-10
ART3	1.672	6.18E-06	MICU3	-1.085	5.44E-13
SAPCD1	1.672	5.32E-16	DOCK4-AS1	-1.085	2.85E-05
TUFT1	1.671	1.83E-28	ANKRD45	-1.084	9.28E-06
ZNF252P-AS1	1.671	4.60E-23	FCRL1	-1.083	3.47E-04
DNASE1L2	1.671	8.46E-16	PIGA	-1.083	6.35E-28
GNAT1	1.671	2.44E-06	FOXO4	-1.080	1.01E-27
SASS6	1.671	3.17E-80	DNMBP-AS1	-1.080	4.48E-10
GRHL2	1.671	4.45E-67	ZNF671	-1.080	3.91E-13
MIR548AA1	1.671	1.84E-07	C3orf18	-1.080	2.78E-19
C5orf66	1.670	5.36E-21	SLC26A3	-1.080	2.20E-04
PILRB	1.670	1.41E-17	NR3C1	-1.080	3.06E-36
MIR7111	1.669	1.10E-13	ZNF677	-1.080	8.06E-06
AL355103.1	1.669	5.45E-04	YPEL1	-1.079	1.07E-08
LGSN	1.668	8.02E-05	GLIPR1L2	-1.078	9.85E-11
CARMIL3	1.667	1.12E-16	C21orf62-AS1	-1.077	5.43E-15
JPT1	1.666	3.38E-59	TOR4A	-1.077	1.71E-09
LINC01926	1.666	1.11E-04	CARD8-AS1	-1.077	1.08E-14
LINC00543	1.665	1.19E-06	SCN11A	-1.076	1.12E-05
COQ3	1.665	5.15E-68	ATP2C2	-1.076	1.27E-06
GAPDHS	1.663	1.80E-05	HLA-DPB2	-1.076	3.66E-05
SUV39H2	1.663	1.28E-75	MCTP1	-1.076	1.43E-11
MAT1A	1.663	2.95E-11	GLIS2	-1.076	1.44E-14
PODNL1	1.663	2.74E-18	MIR186	-1.075	3.72E-08
SH3BP1	1.662	1.46E-49	RAP1A	-1.074	8.80E-44
AHCY	1.662	2.30E-52	RIPK3	-1.074	3.03E-17
CENPO	1.660	1.02E-91	CCDC42	-1.074	3.38E-07
SV2B	1.660	4.79E-07	SLC17A8	-1.073	2.98E-03
MRPL3	1.660	8.74E-81	PCDHB15	-1.073	4.45E-11
UNG	1.659	4.67E-90	FAM215A	-1.072	1.05E-03
BCL11B	1.659	2.00E-19	ZNF704	-1.072	2.62E-09
AC008105.1	1.659	8.94E-20	METTL21EP	-1.072	9.49E-09
PHLDB3	1.657	8.94E-41	CD151	-1.072	4.02E-22
C20orf197	1.657	8.36E-09	RIC3	-1.071	4.56E-06
MIR7973-1	1.657	9.76E-05	C16orf45	-1.070	4.08E-10
GRM7-AS1	1.657	1.08E-03	SULT1C2	-1.070	6.07E-06

CDC7	1.657	2.37E-53	PLXNA2	-1.069	1.65E-11
INTS13	1.656	1.57E-68	QSOX1	-1.069	5.29E-26
GREB1	1.656	1.77E-15	LRCH1	-1.069	2.30E-41
RPS2P32	1.655	7.57E-15	CRLS1	-1.069	2.38E-41
BRWD1-AS1	1.654	9.23E-07	CDC14A	-1.068	8.07E-21
ATP1B3	1.653	1.14E-29	ZFP92	-1.067	1.03E-10
HSPE1	1.653	4.76E-56	DNAL1	-1.067	1.92E-40
PRIMA1	1.653	6.89E-10	AC138894.1	-1.066	9.54E-06
SLX1A-SULT1A3	1.653	1.08E-14	DNAJC18	-1.065	3.55E-24
TPTE2	1.653	5.28E-10	CA13	-1.065	2.49E-12
ARHGEF16	1.653	5.45E-31	MFAP3L	-1.065	1.49E-07
Z94160.1	1.651	2.76E-03	GCA	-1.065	5.59E-23
PDLIM4	1.651	7.34E-23	PECR	-1.065	7.02E-20
COL4A5	1.650	2.30E-17	KIAA1109	-1.065	8.31E-30
TMEM147-AS1	1.649	6.42E-27	MAML2	-1.065	1.46E-19
WDR53	1.649	1.70E-64	MAGOH2P	-1.064	3.02E-13
LINC01505	1.648	4.40E-09	KCNS2	-1.063	2.30E-06
SULF2	1.648	5.51E-19	AMY1B	-1.062	1.31E-03
TGM4	1.648	5.15E-08	AMY1B	-1.062	1.31E-03
CP	1.648	3.42E-09	TCTA	-1.062	5.06E-40
WNK3	1.648	1.05E-13	SLC6A16	-1.062	2.56E-11
DLEU7-AS1	1.644	8.12E-20	PCDHGA11	-1.061	3.45E-08
DNAJB11	1.643	4.51E-64	LINC01482	-1.061	2.11E-07
VCX3B	1.642	1.74E-06	KLF10	-1.060	3.54E-19
AP002884.3	1.642	5.15E-14	LINC02538	-1.060	2.05E-03
AC074135.1	1.641	5.75E-06	ENPP5	-1.060	1.82E-08
FLJ42102	1.640	9.17E-04	FAM13B	-1.060	4.32E-40
COL1A1	1.639	9.30E-13	AC009119.1	-1.059	8.49E-08
KCCAT198	1.639	2.23E-04	CCDC92	-1.059	8.92E-30
CA10	1.639	5.77E-04	ZNFX1	-1.059	4.89E-32
KIF3C	1.639	3.96E-39	ZNF582	-1.057	2.92E-09
SLC22A14	1.639	2.70E-12	TRAT1	-1.057	5.71E-06
PYDC2	1.639	9.54E-03	VAT1L	-1.057	4.89E-06
C21orf91-OT1	1.639	7.95E-06	RBPMS2	-1.057	2.11E-09
RYR1	1.638	3.30E-16	ITPK1-AS1	-1.057	1.84E-04
KIF22	1.638	5.45E-81	GPR183	-1.057	1.37E-08
IL25	1.637	9.54E-05	LINC01107	-1.057	2.45E-03
WDR66	1.636	6.89E-18	DSEL	-1.056	3.92E-08
C20orf144	1.636	1.01E-27	SYT11	-1.055	2.67E-10
PSMG3	1.635	4.05E-63	ADCY6	-1.055	1.08E-21
ADM	1.635	8.92E-17	ZNF214	-1.055	1.06E-07
TOPBP1	1.635	2.23E-65	NR2E3	-1.055	1.11E-08
FBL	1.634	6.49E-43	MIR5690	-1.054	3.51E-03
PRLR	1.634	2.91E-07	SELL	-1.054	6.75E-06
LINC01163	1.633	1.68E-04	ZNF491	-1.053	4.53E-11
SLC7A14	1.633	3.08E-04	NBEAL1	-1.053	2.25E-22
LINC01338	1.632	8.49E-07	DCDC1	-1.052	2.99E-05
TBX15	1.632	1.82E-12	AC007608.3	-1.052	2.04E-10
PACSIN1	1.632	2.87E-12	SEC22C	-1.052	2.31E-68
BRI3BP	1.632	1.10E-65	LY75-CD302	-1.052	6.65E-06
SNORA71A	1.631	1.33E-20	LDHAL6A	-1.052	9.57E-07
P2RY6	1.629	7.63E-17	CU639417.2	-1.051	1.50E-07
FUT3	1.629	5.17E-11	PDE4B	-1.051	6.44E-08
CATSPER4	1.629	2.99E-05	HAR1A	-1.051	1.02E-06
LINC01048	1.629	1.81E-04	ILK	-1.050	3.59E-27

PRSS38	1.629	2.36E-03	LNX2	-1.050	2.59E-26
AL390719.1	1.628	9.34E-14	MYO1B	-1.050	1.32E-18
C19orf57	1.628	4.84E-22	KCNK4-TEX40	-1.049	6.99E-04
TBPL2	1.628	6.10E-05	RHOBTB1	-1.049	9.24E-19
DIRC3-AS1	1.628	4.45E-04	AC005759.1	-1.049	7.77E-08
MAPK12	1.628	8.94E-29	ZNF583	-1.048	3.46E-12
ESRP1	1.628	1.30E-79	AC092675.1	-1.048	8.40E-03
IFNL1	1.625	8.14E-06	HRH4	-1.048	4.17E-07
CCT6A	1.624	8.90E-43	AC097372.1	-1.047	1.66E-04
LINC02487	1.624	1.40E-06	S1PR2	-1.047	5.03E-23
REC114	1.624	1.65E-10	AL137186.2	-1.047	1.12E-24
KAT2A	1.623	2.70E-58	FHDC1	-1.047	2.08E-11
DLX4	1.623	5.67E-16	ARID4A	-1.046	3.84E-48
AL590006.1	1.623	4.47E-11	SLC13A2	-1.046	7.59E-03
MIR4428	1.623	6.37E-03	ULK4P2	-1.046	3.60E-06
ALMS1-IT1	1.622	1.09E-26	WDR11-AS1	-1.046	1.07E-04
DCUN1D5	1.622	1.65E-53	USP27X	-1.046	2.52E-22
RFLNA	1.622	1.27E-14	OR10V2P	-1.046	2.31E-04
RFLNA	1.622	1.27E-14	LRFN5	-1.045	1.45E-05
AC005532.1	1.622	1.76E-09	MIR6069	-1.045	5.98E-04
MRGBP	1.621	6.41E-86	KIAA1328	-1.045	7.49E-36
AL359643.3	1.620	3.10E-48	MCOLN1	-1.044	3.72E-42
CRIP3	1.620	6.65E-07	ACSBG1	-1.044	7.50E-06
PRIM2	1.620	1.03E-69	PIK3CD-AS1	-1.044	9.54E-06
AC091212.1	1.620	2.25E-06	THBD	-1.044	2.84E-06
SNORA71D	1.619	4.33E-06	CLCNKB	-1.043	1.85E-05
SLC5A7	1.619	1.53E-03	AMBP	-1.043	1.75E-03
ATF5	1.619	1.43E-20	TBX3	-1.043	1.05E-10
AL139420.1	1.618	1.44E-03	SORBS3	-1.042	5.23E-32
STAP2	1.618	7.19E-38	LMBRD1	-1.041	6.76E-35
BASP1	1.617	2.05E-16	TTN	-1.041	3.03E-11
TMEM74	1.617	3.37E-09	AL117382.1	-1.041	6.66E-03
SPAG4	1.616	9.57E-21	CDR1	-1.041	1.79E-04
GCAT	1.616	2.82E-32	AL162591.1	-1.040	6.37E-11
MRPL36	1.616	1.62E-52	SLC24A3	-1.039	3.04E-07
MCM5	1.615	3.35E-66	SPA17	-1.039	1.34E-15
MC5R	1.615	9.90E-05	CTD-2270F17.1	-1.039	6.23E-04
TBL1XR1	1.614	8.56E-45	CDC42EP2	-1.038	4.37E-18
ADCK5	1.614	6.85E-46	AC005746.2	-1.038	1.01E-07
HRNR	1.613	6.42E-11	TREML2	-1.037	3.00E-05
NEFH	1.613	1.43E-06	SEC14L1	-1.037	2.27E-29
ZFP64	1.612	1.29E-82	LINC01359	-1.036	2.72E-08
PLEKHG3	1.611	4.66E-34	XPC	-1.036	4.81E-47
ATP11B	1.610	2.46E-29	NPHP1	-1.036	1.44E-17
DTYMK	1.609	3.84E-62	MIR378H	-1.035	1.07E-07
TRIM67	1.609	8.47E-14	MAPT	-1.035	2.49E-06
CBARP	1.609	2.90E-21	ASB14	-1.034	1.83E-25
DDR1	1.608	4.18E-54	SPRED1	-1.034	4.61E-26
SYCE3	1.607	9.56E-16	C5orf67	-1.034	2.14E-05
PF4V1	1.607	1.54E-04	KLF13	-1.033	6.05E-18
TRIM16	1.607	1.48E-20	KLF13	-1.033	6.05E-18
SLC22A7	1.607	8.78E-04	MIR421	-1.033	1.28E-05
APBA2	1.605	2.36E-19	C11orf54	-1.033	2.19E-25
AC068722.1	1.605	2.23E-03	MSN	-1.032	2.38E-19
LINC01816	1.604	1.60E-15	AIF1L	-1.032	9.86E-09
WNT5B	1.604	1.60E-16	SIGLEC12	-1.031	1.55E-04

LINC00652	1.603	7.72E-13	ARAP2	-1.031	1.34E-18
KCNH5	1.602	1.23E-04	IL1B	-1.031	1.69E-05
PTGES3L	1.601	3.34E-20	MYO15B	-1.030	2.87E-08
SMC4	1.601	9.86E-50	PRKCD	-1.030	2.49E-41
DDX39A	1.601	2.65E-57	ZNF471	-1.029	1.76E-06
LMCD1-AS1	1.600	4.44E-25	NRN1L	-1.029	8.07E-04
LMCD1-AS1	1.600	4.44E-25	RRN3P2	-1.029	3.22E-12
C19orf81	1.600	3.32E-08	FRMD4A	-1.029	5.89E-11
SLX1B	1.600	2.31E-08	ADGRG3	-1.029	1.56E-06
TMEM246-AS1	1.600	1.49E-06	PCDHA13	-1.029	4.59E-03
MIR25	1.599	3.76E-16	CD80	-1.029	1.66E-08
PRKX	1.599	6.46E-23	CERKL	-1.029	1.18E-12
OTUB2	1.599	6.72E-28	SACM1L	-1.029	6.89E-71
SYT6	1.599	1.05E-08	RDX	-1.028	1.23E-31
AL355916.1	1.598	8.11E-12	EVI5	-1.028	2.42E-60
ZNF114	1.598	2.32E-10	SLFNL1	-1.028	7.52E-11
PTK6	1.597	1.28E-12	SH3RF1	-1.027	9.49E-28
C19orf84	1.597	2.47E-09	AL360294.1	-1.027	7.15E-04
GNG3	1.597	3.86E-18	NAALAD2	-1.027	2.84E-08
LSG1	1.596	6.44E-55	ANO3	-1.027	3.81E-05
TIMM8A	1.595	3.53E-60	DLGAP2	-1.027	7.40E-04
MLN	1.594	1.49E-03	CALHM2	-1.026	6.51E-19
DLGAP1-AS4	1.594	2.96E-03	PRSS33	-1.025	2.92E-03
LINC01176	1.594	1.13E-23	TTC34	-1.025	4.26E-07
MIR6165	1.594	6.52E-03	TMEM164	-1.025	1.28E-27
HIST1H1T	1.594	5.86E-05	AC124017.1	-1.025	6.33E-03
GNB1L	1.593	7.29E-40	SIK1	-1.024	6.12E-03
STC2	1.593	1.27E-15	SLC43A1	-1.024	4.58E-12
LRP12	1.592	4.42E-25	SLC19A2	-1.023	1.11E-20
SOX4	1.592	8.11E-33	SNX2	-1.023	1.48E-56
AC093901.1	1.591	2.05E-12	NFIC	-1.023	1.98E-24
LINC00449	1.590	5.08E-16	ZNF660	-1.023	1.17E-10
AC025594.2	1.590	1.91E-19	USP12	-1.023	5.46E-49
NCR2	1.590	8.24E-05	CCDC188	-1.022	4.56E-06
XPOT	1.588	3.90E-63	STX7	-1.022	3.88E-40
AL606970.3	1.587	1.04E-04	ANXA5	-1.021	3.43E-26
AC009005.1	1.586	7.10E-15	PTGER1	-1.021	2.10E-05
LINC01485	1.585	1.08E-07	RPS27L	-1.020	9.88E-31
CEP19	1.585	1.14E-23	AC092634.3	-1.020	1.89E-03
TXN	1.583	7.45E-24	NAALADL1	-1.019	3.35E-11
GSTM2	1.583	2.91E-11	PTPRJ	-1.019	3.87E-20
NOP2	1.583	1.21E-54	PIK3AP1	-1.019	3.04E-09
FAM90A1	1.582	8.16E-12	CEBPD	-1.018	2.50E-13
AC132192.2	1.582	1.06E-22	ICOS	-1.018	2.16E-07
BX322234.1	1.581	8.63E-32	SLC6A1	-1.018	7.92E-09
MEIS1-AS3	1.581	1.13E-06	LINC02273	-1.018	2.77E-05
IER5L	1.581	2.15E-24	ACSS2	-1.018	1.78E-28
C20orf24	1.581	8.40E-45	CTIF	-1.017	4.94E-24
SLITRK6	1.580	1.58E-07	LINC01835	-1.017	2.49E-03
LRRC69	1.580	3.23E-19	SLC25A30	-1.015	4.41E-37
FXR1	1.579	5.45E-46	ME3	-1.015	4.89E-08
TSPEAR	1.579	7.08E-07	PJA2	-1.015	4.58E-39
PRSS21	1.578	5.43E-07	PRR26	-1.014	5.94E-05
FAM60A	1.578	6.56E-45	SLC44A3	-1.014	3.06E-12
KCNJ14	1.578	1.22E-32	TAGLN	-1.014	3.39E-09
LINC00867	1.577	2.40E-04	BEX5	-1.014	1.11E-05

PIANP	1.577	4.92E-10
HCN3	1.576	1.47E-30
MIR429	1.576	2.20E-10
KCNK7	1.575	3.09E-10
TMEM211	1.575	3.97E-05
TMEM44-AS1	1.575	5.58E-28
KIF7	1.575	5.32E-24
SNORD46	1.574	5.31E-18
MAGEC3	1.574	1.82E-03
COL3A1	1.574	9.79E-13
YJEFN3	1.574	2.57E-15
TCTE3	1.572	4.96E-30
KRTAP1-5	1.572	5.95E-04
AKR1E2	1.570	1.91E-14
RARG	1.570	7.99E-41
KRTAP5-7	1.570	6.74E-05
S100A5	1.570	1.08E-14
AP002008.3	1.570	2.62E-04
WDR76	1.569	1.89E-26
LEF1	1.569	7.47E-23
HSPE1-MOB4	1.568	2.08E-13
IFNB1	1.567	4.61E-04
AC005837.1	1.567	3.15E-18
PLA2R1	1.566	1.88E-19
C16orf92	1.566	3.83E-03
BOLA2-SMG1P6	1.565	9.24E-39
RNF165	1.564	5.25E-12
CAD	1.563	3.59E-57
STRIP2	1.563	1.05E-17
SNORD7	1.562	9.02E-13
CCNO	1.562	1.30E-16
LINC01740	1.562	1.23E-04
SSC4D	1.562	3.85E-18
PGD	1.561	3.87E-18
GTSE1-AS1	1.561	8.33E-20
NIPSNAP1	1.560	4.29E-57
MIR6895	1.560	5.31E-06
PP7080	1.560	2.40E-41
VIT	1.560	3.05E-05
PRICKLE3	1.559	3.03E-63
NLRP2	1.559	1.15E-05
RSRC1	1.559	4.66E-65
HSPD1	1.559	1.46E-58
SNORA60	1.556	6.63E-20
DCST2	1.556	1.69E-15
MIR320A	1.556	4.27E-05
OR7D2	1.555	2.63E-05
TUBB8	1.555	1.51E-10
LINC02450	1.555	2.21E-07
PKD1L2	1.554	2.50E-08
AC019171.1	1.554	1.06E-06
FBXL19	1.554	1.10E-48
F2RL1	1.554	6.84E-21
COL26A1	1.553	5.49E-07
TMEM206	1.553	2.89E-40
GK	-1.014	1.41E-16
KIF26A	-1.013	1.56E-05
S100Z	-1.013	4.01E-06
C5orf38	-1.012	2.72E-06
LRRC37A5P	-1.011	1.67E-08
TPCN1	-1.010	2.13E-25
MISP3	-1.010	2.64E-10
LINC00639	-1.010	3.99E-04
LINC00571	-1.010	1.14E-11
NUTM2A	-1.009	5.04E-10
CFAP69	-1.008	1.16E-14
EFCAB2	-1.008	5.57E-15
AMPD1	-1.007	1.11E-04
ARHGAP24	-1.007	1.49E-11
EXPH5	-1.006	4.55E-14
A4GNT	-1.005	5.11E-04
SCARNA7	-1.005	1.11E-06
MOAP1	-1.005	1.25E-37
AK9	-1.004	2.12E-13
CYTH4	-1.004	9.32E-11
MPL	-1.004	1.09E-14
BIRC7	-1.003	1.72E-05
LINC00482	-1.003	3.53E-05
CH17-340M24.3	-1.002	1.88E-17
LDLRAD4	-1.002	1.09E-08
AC009065.4	-1.002	5.32E-14
MIR135A1	-1.001	1.55E-09
SLC16A10	-1.001	1.46E-09
CREBL2	-1.000	3.48E-39

RHOD	1.552	7.92E-19
GTF2IRD1P1	1.552	5.88E-14
MIR559	1.552	4.71E-09
CLDN6	1.551	3.74E-05
ZNF711	1.551	9.78E-16
FAP	1.551	2.40E-15
AL590428.1	1.551	9.22E-15
SLC22A9	1.550	2.43E-06
LINC01983	1.549	2.70E-05
SOX30	1.549	2.00E-09
GPNMB	1.548	2.84E-13
CSE1L-AS1	1.548	1.12E-08
STMN2	1.548	8.48E-07
FAM222A	1.548	5.00E-16
RNF168	1.548	1.06E-32
TARS	1.547	3.72E-62
KIF20B	1.547	2.15E-59
MAPK6	1.547	1.13E-47
OR1Q1	1.545	9.35E-04
UCHL1-AS1	1.545	6.54E-04
GNAS-AS1	1.544	2.49E-09
DBF4B	1.544	2.61E-44
SPESP1	1.544	2.04E-06
DTX2P1-UPK3BP1-PMS2P11	1.543	2.99E-21
LINC01579	1.543	1.03E-06
DDIT4	1.543	6.56E-17
PDCD5	1.542	9.22E-45
SEM1	1.542	9.81E-50
STK31	1.542	1.02E-22
RRM1	1.542	3.33E-54
CEP85	1.541	9.50E-61
RUVBL1	1.541	5.92E-68
CRYM-AS1	1.539	5.84E-21
DDX39B-AS1	1.539	2.82E-11
AC004130.1	1.539	7.32E-23
SAA1	1.538	3.73E-07
FOXRED2	1.538	2.45E-33
SEMG1	1.537	4.95E-03
NTF4	1.537	2.02E-17
TRIML1	1.536	2.56E-03
FOXP3	1.536	4.46E-20
FLAD1	1.535	1.77E-82
RFPL3S	1.535	3.48E-16
AC040918.1	1.535	8.46E-04
SARS2	1.535	1.13E-38
PLCXD2-AS1	1.534	1.91E-05
ARHGAP40	1.533	4.35E-07
KRTCAP3	1.532	9.93E-22
REEP4	1.532	2.03E-44
SLC2A12	1.532	1.28E-09
DHRS13	1.532	2.66E-42
LRTM2	1.532	1.82E-04
CRYGN	1.531	1.03E-10
KRT19P2	1.530	9.33E-06

GYG2	1.529	5.63E-19
CENPP	1.529	6.56E-44
MIR5188	1.529	5.27E-05
MAP1B	1.529	1.10E-10
PDIA4	1.529	1.06E-52
AL109811.2	1.528	6.39E-23
PRRT3-AS1	1.528	2.73E-19
SPDL1	1.528	1.27E-72
OR13A1	1.528	1.74E-07
LPAR5	1.527	5.77E-23
NDC1	1.527	8.00E-75
LINC01693	1.526	1.23E-03
ALG1L2	1.525	5.36E-21
MXRA5	1.525	3.80E-14
AC104971.2	1.525	2.65E-15
FBXW12	1.525	3.76E-11
TNFRSF21	1.524	1.10E-23
CRISPLD1	1.524	2.54E-13
BOLA3	1.524	1.43E-45
CNGA1	1.523	9.96E-13
MIR4768	1.521	1.12E-06
LINC01433	1.521	1.20E-08
AATK-AS1	1.519	1.17E-03
EGFR	1.518	1.70E-12
AC132008.2	1.518	3.65E-33
TOP1MT	1.518	4.26E-42
SFRP1	1.517	1.50E-05
HNRNPCL2	1.516	3.14E-04
AL355472.1	1.516	4.84E-19
HIF1A-AS1	1.516	1.34E-12
RAP2B	1.516	3.89E-42
CALR3	1.515	3.46E-07
DNAJC22	1.515	2.98E-11
DNM1	1.515	1.98E-19
MIR544B	1.515	5.37E-05
AC008728.1	1.514	4.14E-03
AC129492.1	1.514	9.55E-11
CASC18	1.513	4.41E-09
NDE1	1.513	1.82E-51
SBF2-AS1	1.513	3.91E-27
GS1-124K5.4	1.511	1.69E-24
LINC01764	1.511	6.14E-05
ZMYND19	1.509	8.02E-56
ALKBH6	1.509	3.41E-28
PYCR3	1.509	2.53E-48
AC106820.2	1.509	2.95E-09
IL4I1	1.508	1.71E-15
MAGEF1	1.508	2.18E-29
SAA2-SAA4	1.505	1.32E-05
ADAMTS12	1.505	4.21E-14
JAG2	1.504	9.18E-23
CDK4	1.504	5.71E-43
LAMB3	1.504	2.67E-16
BCL2L12	1.502	5.80E-59
AC026304.1	1.501	3.29E-17
MEX3B	1.501	2.78E-21

GPT	1.501	1.10E-12
SNHG17	1.501	8.44E-37
CHKB-AS1	1.500	4.36E-28
RASD2	1.500	4.04E-09
KRT85	1.500	2.28E-05
WNT3	1.499	8.21E-21
WNT3	1.499	8.21E-21
PPFIA3	1.499	3.09E-26
AP000943.3	1.499	1.38E-03
SLC7A8	1.497	8.54E-12
VRK1	1.496	1.23E-46
ABRACL	1.494	2.32E-32
HOMER3	1.492	1.44E-31
NME2	1.491	3.95E-41
CSE1L	1.491	1.41E-81
C2orf66	1.491	8.48E-10
CABP7	1.490	1.78E-16
DCAF13	1.489	3.65E-68
NETO2	1.489	1.06E-23
PP14571	1.488	3.06E-09
SHISA6	1.488	1.47E-05
AC009908.1	1.487	1.05E-04
SERPINI1	1.486	5.56E-12
MARCKSL1	1.486	7.26E-29
CILP	1.486	7.43E-08
PRRX2-AS1	1.486	4.22E-04
XKR5	1.485	1.38E-08
MSC	1.485	1.03E-10
KLK7	1.485	3.29E-04
UGDH	1.484	2.63E-19
AC131254.1	1.483	2.67E-06
LINC00029	1.483	5.37E-03
CLLU1	1.481	8.38E-05
STAU2-AS1	1.481	8.35E-12
OCSTAMP	1.481	3.92E-04
ANGPTL3	1.481	3.25E-08
FZD7	1.481	3.11E-15
MESP1	1.480	1.39E-13
OPLAH	1.479	3.38E-23
CPOX	1.478	5.21E-56
BZW2	1.477	3.53E-52
AC079089.1	1.477	1.07E-06
PCDHB6	1.475	3.74E-07
MIR4284	1.475	5.54E-04
ULBP3	1.475	1.30E-19
PAQR6	1.475	1.54E-13
NMB	1.474	2.21E-15
SLCO5A1	1.474	3.88E-09
SPHK1	1.473	4.84E-21
HIST1H1C	1.473	2.95E-13
RFWD3	1.472	9.44E-76
RFC3	1.472	1.31E-53
IL21	1.472	9.88E-05
LIG1	1.470	4.40E-54
AC107959.2	1.470	7.67E-09
UBE2Q1-AS1	1.469	2.36E-16

IKBKE	1.469	1.38E-30
RAE1	1.469	1.96E-82
AC098828.2	1.468	8.18E-06
PPP2R3B	1.468	3.85E-30
PPP2R3B	1.468	3.85E-30
RAG2	1.467	1.34E-04
LINC01618	1.467	3.95E-04
MIR4261	1.467	7.63E-04
NUP50-AS1	1.467	3.31E-26
RANGAP1	1.467	4.53E-62
NELL2	1.466	3.57E-09
UBE2U	1.464	3.76E-03
AMN	1.464	7.33E-13
RHNO1	1.464	3.23E-57
SUMO4	1.464	3.27E-14
GOLGA7B	1.464	9.48E-10
AC005224.4	1.463	8.19E-13
NPAS2	1.463	7.02E-21
ZNF692	1.463	6.81E-35
TBRG4	1.462	4.30E-65
CACNA2D3	1.462	2.01E-12
NR2C2AP	1.462	2.03E-47
HYLS1	1.462	1.03E-44
CERS6	1.461	9.40E-40
PXYLP1	1.461	2.84E-33
AGXT	1.461	1.77E-03
PRR5	1.460	2.34E-38
AGAP2-AS1	1.460	8.45E-32
SNORD53	1.459	4.34E-04
LINC02518	1.458	2.06E-05
AC012368.1	1.457	6.08E-12
SLC9A7	1.457	1.01E-33
NDUFS6	1.456	6.01E-44
TFRC	1.456	5.33E-15
AC112487.1	1.455	6.86E-04
MIR563	1.455	2.29E-03
LAMP5	1.455	1.48E-09
LINC01271	1.455	1.14E-09
FABP5	1.455	1.76E-08
MSC-AS1	1.455	2.88E-12
GVQW2	1.454	9.74E-26
OXT	1.454	5.56E-06
PRKDC	1.454	4.39E-47
FUNDC2P2	1.454	2.60E-03
INHBC	1.453	1.48E-10
KCTD21-AS1	1.453	2.18E-17
SNORD91A	1.453	9.00E-07
AL356215.1	1.453	3.22E-12
MYB	1.452	7.76E-08
TTF2	1.452	4.17E-50
DRD3	1.451	9.42E-03
LINC00112	1.451	1.20E-03
JSRP1	1.451	9.11E-10
JSRP1	1.451	9.11E-10
AP002026.1	1.450	7.41E-17
FCRL4	1.450	1.13E-05

SLC7A9	1.450	5.96E-10
NHLRC1	1.449	1.13E-17
A4GALT	1.449	9.95E-16
GPR143	1.449	1.12E-11
TMEM182	1.449	4.56E-44
CCT4	1.449	6.52E-43
SULT1A3	1.448	7.66E-10
ABCA17P	1.448	4.06E-09
MIR6797	1.448	6.40E-12
GCC2-AS1	1.448	3.12E-28
SSX2IP	1.447	9.79E-50
BX537318.2	1.447	5.55E-11
PARL	1.446	4.90E-35
BRCA2	1.446	9.34E-39
LIN9	1.446	7.17E-47
HIST2H2AA3	1.445	1.07E-03
MMP14	1.445	5.11E-27
S100A14	1.444	1.01E-09
AL354707.2	1.444	1.25E-04
LINC02067	1.444	1.15E-05
FOXQ1	1.443	1.28E-10
SNORA80E	1.443	1.31E-08
KCNN4	1.443	5.43E-09
C1orf131	1.443	1.85E-70
AC092171.3	1.442	1.95E-20
LMLN-AS1	1.442	4.42E-04
AC009060.1	1.441	2.05E-03
VAC14-AS1	1.441	1.67E-16
PRTFDC1	1.441	3.12E-25
RBM12B-AS1	1.441	6.50E-25
TGIF2-C20orf24	1.441	2.64E-12
PTDSS1	1.439	6.60E-34
SLC45A2	1.439	2.85E-07
TIGD1	1.439	3.88E-35
SLC7A1	1.439	1.89E-33
H1F0	1.438	6.06E-34
HTR3E	1.438	4.81E-04
LINC00618	1.438	8.01E-09
AADACL2-AS1	1.438	1.83E-05
SNORD121B	1.437	1.16E-04
BCL2L2-PABPN1	1.437	2.64E-23
FBXO5	1.437	3.79E-50
MATR3	1.437	3.02E-32
PABPC3	1.437	1.18E-21
CPA6	1.437	2.90E-06
PKM	1.437	2.51E-50
LINC01780	1.436	1.83E-03
OCIAD2	1.436	4.08E-33
44079	1.436	3.13E-19
ENTPD7	1.436	7.45E-38
NCK1-AS1	1.435	1.23E-28
TBC1D7	1.435	5.53E-46
TBC1D7	1.435	5.53E-46
LDHC	1.435	1.47E-04

HIST2H3D	1.435	4.82E-09
POLB	1.434	4.45E-23
AC026790.1	1.433	1.37E-06
KCNJ6	1.433	1.66E-06
LINC01878	1.432	6.59E-03
NLGN1	1.432	5.52E-07
APOA2	1.432	4.02E-03
METTL8	1.432	2.66E-56
B3GNT5	1.432	1.51E-18
AC107032.2	1.432	5.86E-18
SPINT2	1.431	1.73E-29
KLHDC8A	1.431	1.04E-09
TMEM132B	1.431	6.78E-09
TBC1D31	1.431	1.93E-63
PRSS55	1.431	8.39E-03
PPP2R2B	1.430	3.75E-08
CSTF2	1.430	3.63E-53
PGAM5	1.430	5.25E-57
AC091729.3	1.430	1.36E-30
GTPBP3	1.429	2.42E-44
LINC01426	1.429	2.67E-10
HCAR1	1.429	1.12E-04
CCDC86	1.429	2.83E-58
IGFBPL1	1.429	3.12E-07
AL022725.1	1.429	1.46E-03
SYTL5	1.428	1.02E-06
MICALL1	1.428	5.58E-28
LINC00880	1.428	1.29E-07
SRPK1	1.428	1.12E-72
COL11A2	1.428	1.15E-11
SLC16A1-AS1	1.427	1.07E-31
MSI2	1.427	1.22E-32
MSH6	1.427	3.32E-51
IGSF3	1.427	3.97E-22
AC097460.1	1.426	4.57E-11
CNTN1	1.426	3.08E-07
LINC01281	1.424	1.28E-07
CCDC138	1.424	3.34E-41
CPS1	1.424	3.39E-06
NOTCH3	1.424	2.87E-22
GAN	1.423	3.73E-36
ZGRF1	1.422	7.68E-41
LINC01060	1.422	7.63E-05
TWNK	1.422	1.01E-52
CKAP4	1.422	5.80E-45
SEMA5B	1.422	3.38E-10
PAGE5	1.421	1.53E-03
KIAA0907	1.421	1.79E-37
MIR3146	1.420	1.94E-03
IL17RD	1.420	6.45E-13
AC005481.1	1.420	8.89E-07
LDHA	1.420	6.76E-37
CCDC167	1.419	4.37E-38
OBP2A	1.419	2.48E-05
MYT1	1.419	4.86E-07
NFE2L3	1.418	2.15E-19

PDXP	1.417	4.12E-23
TREX2	1.417	6.19E-21
LUZP2	1.417	1.60E-06
CCDC27	1.417	4.09E-06
LINC02181	1.416	1.60E-03
B3GNT6	1.416	5.44E-04
AOC1	1.416	1.35E-06
C19orf73	1.416	3.21E-26
AL109917.1	1.415	2.64E-13
DRAXIN	1.415	5.12E-10
NAV1	1.415	6.39E-15
PTPRG-AS1	1.415	3.25E-15
LY6G6D	1.415	4.28E-03
MIR6832	1.414	2.73E-04
SPINK1	1.414	9.18E-07
CHRM3	1.414	7.48E-13
PSMC3IP	1.414	2.61E-41
H2AFZ	1.413	1.74E-48
SLC1A5	1.413	1.65E-35
POSTN	1.412	4.65E-11
HIST1H4A	1.412	2.16E-04
TIGD3	1.412	4.01E-18
UBAC2-AS1	1.411	5.19E-25
C11orf84	1.411	1.07E-59
PRMT3	1.411	9.87E-50
CSMD3	1.410	8.90E-04
FKBP10	1.409	2.62E-16
AC006372.3	1.409	1.05E-03
KCNK1	1.409	2.52E-16
RNF103-CHMP3	1.408	4.36E-13
MMP17	1.408	4.06E-15
LINC02539	1.408	2.35E-05
RMI1	1.407	1.10E-39
DENND2C	1.406	2.90E-16
AL445483.1	1.405	9.30E-10
ZC3H8	1.405	4.56E-62
ACOT11	1.405	4.22E-23
USP31	1.404	1.88E-34
AC016168.2	1.404	2.65E-03
TAF4B	1.404	7.01E-24
SYCP2	1.404	1.83E-09
MIR6889	1.403	3.00E-04
NEMP1	1.403	3.62E-49
CYC1	1.402	1.40E-38
XPO5	1.402	1.07E-59
NUP62CL	1.401	1.33E-20
EXOSC4	1.400	1.81E-45
CKM	1.400	2.64E-07
MTFP1	1.399	2.09E-29
SNRPA1	1.399	8.93E-72
CCDC137	1.398	2.08E-51
C2CD4D	1.398	1.30E-12
SDHAF3	1.398	2.86E-27
PIK3C2G	1.398	2.39E-05
AC046168.1	1.398	1.51E-04

AC074117.1	1.397	1.02E-35
FZD10-AS1	1.397	8.41E-09
TCF3	1.397	2.67E-52
ABHD1	1.397	6.33E-12
PTS	1.396	2.68E-40
C5orf17	1.396	7.94E-03
LINC01932	1.396	5.49E-09
TCF15	1.395	8.47E-08
PRSS53	1.394	1.21E-16
CTAGE6	1.394	4.53E-04
DARS2	1.394	1.54E-44
WFDC3	1.394	8.95E-09
LINC01010	1.394	8.17E-06
POLE	1.393	1.05E-44
LRRC24	1.393	3.11E-03
PACSIN3	1.392	2.94E-27
MSH5	1.392	1.07E-18
MSH5	1.392	1.07E-18
KRTAP5-8	1.391	1.23E-04
SLC23A3	1.391	1.37E-12
LINC01993	1.391	1.76E-07
TRIM31	1.390	1.04E-07
RBL1	1.389	2.11E-56
RUNX2	1.388	1.05E-19
OPA1	1.387	4.51E-52
SMS	1.387	1.43E-32
AQP11	1.387	2.95E-25
PLAT	1.387	4.80E-09
CRHR2	1.387	3.09E-07
FADD	1.386	7.22E-17
CMAS	1.386	1.22E-34
KLF5	1.386	1.93E-18
ZNF492	1.386	3.27E-04
RBBP8	1.386	1.50E-28
GRIN2A	1.386	2.68E-04
OLFM1	1.385	1.20E-05
SNRPB	1.385	2.23E-52
PRELID3A	1.385	3.49E-27
FAM71E1	1.385	3.44E-12
RASGEF1A	1.385	1.48E-10
HCG2040054	1.385	4.34E-06
DCHS2	1.384	3.38E-06
UCP1	1.384	3.36E-04
NCAPD3	1.383	2.85E-44
SLC51A	1.383	1.56E-16
FP325331.1	1.383	9.17E-08
CBS	1.383	3.08E-07
DNAH17-AS1	1.382	2.01E-09
PHKA1	1.382	5.33E-39
GTF3C2-AS1	1.382	2.26E-22
CPNE4	1.382	5.58E-06
ATP8B3	1.380	1.01E-11
MYBPC2	1.379	8.30E-07
CBX8	1.378	1.21E-43
WNK4	1.378	6.71E-06
WDR87	1.378	8.44E-04

EGFR-AS1	1.378	3.80E-07
SLC22A25	1.377	9.52E-04
CABLES2	1.377	4.21E-48
ADSSL1	1.377	2.80E-15
SAC3D1	1.377	1.89E-44
ADGRG1	1.376	8.59E-25
OVAAL	1.376	1.62E-03
PGM2L1	1.376	3.68E-16
LINC00839	1.376	1.14E-08
AC097103.2	1.376	5.76E-27
CTAGE9	1.375	1.16E-06
NFE4	1.373	3.68E-03
TUBG1	1.373	3.76E-63
HDHD5	1.372	4.66E-46
MIR200B	1.372	1.91E-04
ANAPC1P1	1.371	1.67E-07
AMMECR1	1.371	1.77E-37
LINC00637	1.371	4.37E-08
CU633906.2	1.370	6.54E-04
CU633906.2	1.370	6.54E-04
PDCD10	1.370	1.72E-34
ANKS4B	1.369	1.57E-03
B4GALT2	1.369	5.03E-61
GABRR3	1.368	2.80E-03
ARHGDIG	1.368	2.57E-05
XRCC3	1.368	6.26E-34
RIN1	1.368	2.26E-14
GCM1	1.368	3.10E-06
SRPX2	1.367	2.27E-15
LINC01141	1.367	1.89E-05
SMC2	1.367	2.42E-39
CSNK1A1P1	1.367	1.81E-06
NANOS1	1.367	5.01E-11
ANKRD36BP2	1.367	1.10E-07
TMEM156	1.367	1.26E-07
MFN1	1.367	3.06E-42
HLTF	1.366	4.63E-30
SLC35F4	1.365	2.54E-05
LINC02026	1.365	1.26E-12
CCT3	1.365	1.16E-73
LINC00866	1.365	1.52E-04
GCSH	1.364	1.93E-36
NOP56	1.363	1.68E-54
OPA1-AS1	1.363	2.21E-09
EIF2B5	1.363	4.03E-38
COL27A1	1.363	2.44E-13
MIR3657	1.362	4.23E-05
AC011773.4	1.362	2.94E-08
MEST	1.362	1.47E-18
KRTAP9-1	1.361	2.72E-03
SNRPG	1.361	2.93E-31
BYSL	1.361	5.59E-52
PRR4	1.361	3.32E-11
PRR4	1.361	3.32E-11
C16orf95	1.361	2.63E-28
NPIPB6	1.360	1.21E-07

PRIM1	1.360	7.53E-36
AC011092.2	1.360	2.96E-03
DUS4L	1.359	4.06E-56
NCBP2	1.359	2.81E-53
BTBD16	1.359	1.65E-08
SDCBP2	1.359	2.08E-10
SDCBP2	1.359	2.08E-10
STAM-AS1	1.359	3.96E-15
POP1	1.359	3.34E-43
HAUS5	1.358	3.18E-38
CXCL10	1.358	2.69E-07
ST14	1.358	1.98E-32
C9orf163	1.357	5.45E-14
SNCA-AS1	1.357	1.32E-03
GPSM2	1.356	4.69E-41
TXNRD1	1.356	2.44E-10
AC108860.2	1.356	2.61E-17
MCM8-AS1	1.353	1.44E-06
EGOT	1.353	6.28E-06
C2CD6	1.353	1.78E-09
DSN1	1.353	5.72E-56
JMJD7	1.353	1.80E-15
GSR	1.352	1.19E-15
NET1	1.352	8.02E-35
OLA1	1.352	1.71E-47
DFNA5	1.351	1.39E-14
SLC4A9	1.351	8.14E-09
WDR12	1.350	7.56E-54
LOXL2	1.350	9.81E-12
UQCC3	1.350	7.72E-39
MICAL3	1.349	3.09E-26
ITGA2	1.349	1.00E-17
AC055855.3	1.349	6.42E-05
TYSND1	1.349	6.64E-42
MIR3128	1.349	1.24E-03
TPD52	1.348	1.51E-36
YWHAEP7	1.348	9.89E-04
TMPRSS9	1.348	1.03E-14
LINC01704	1.348	2.13E-04
IL1R2	1.348	1.90E-06
ANKRD18DP	1.348	4.28E-05
LRRC8D	1.347	8.81E-37
TAGLN3	1.347	2.60E-05
PGM2	1.347	3.32E-34
LGALS9C	1.347	5.69E-06
POP7	1.346	1.73E-49
FAM117B	1.345	1.79E-22
LNX1	1.345	5.27E-17
PIK3R2	1.345	4.48E-35
SPDYA	1.345	1.69E-22
TAL2	1.345	1.92E-05
CEP152	1.344	1.66E-32
DNAJC9	1.344	8.95E-72
PTPRVP	1.344	3.15E-09
SYCE2	1.343	2.25E-18
TOMM40	1.343	9.57E-48

PUS1	1.343	2.17E-46
PITPNA-AS1	1.343	1.33E-32
AC106786.1	1.342	1.34E-09
ZNF771	1.342	6.26E-33
KEL	1.342	1.80E-06
NT5M	1.342	9.01E-17
AL109797.1	1.341	9.61E-09
SNORD99	1.340	2.19E-14
IGFBP5	1.340	1.58E-10
MINCR	1.340	9.94E-24
FOXD2-AS1	1.339	4.00E-25
ZBTB12	1.339	2.17E-25
TUBA3D	1.338	2.22E-11
ASTL	1.338	1.37E-07
RHBDD3	1.338	2.39E-51
FAM57A	1.337	1.43E-30
ORAOV1	1.337	3.05E-12
ESRRB	1.337	5.79E-05
TUBB8P12	1.337	8.53E-10
ZNF639	1.337	9.34E-32
SNRPE	1.336	1.38E-51
SLC28A3	1.335	1.37E-09
WDR88	1.335	1.76E-19
LSR	1.335	8.64E-35
SRPRB	1.335	7.22E-41
NLN	1.334	5.80E-44
MIR210	1.334	1.03E-06
LINC01802	1.334	4.81E-03
SEC61G	1.333	1.45E-19
TMEM237	1.333	8.51E-39
NAA50	1.333	7.48E-53
ALYREF	1.333	2.19E-45
KCNG3	1.332	6.16E-09
CXADRP3	1.332	2.48E-04
TRAP1	1.332	3.44E-54
DCTPP1	1.332	2.06E-29
LAPTM4B	1.331	1.36E-28
CLSTN1	1.331	3.44E-29
FAM151A	1.331	1.21E-12
NPHS1	1.331	2.75E-04
NPHS1	1.331	2.75E-04
SNORD121A	1.331	1.44E-04
UQCC2	1.331	2.80E-32
SPATS2	1.331	5.59E-81
SPAST	1.330	6.89E-40
MCM3	1.330	5.51E-41
KLK10	1.330	7.44E-05
RHPN1-AS1	1.330	3.17E-15
GLRX3	1.329	1.63E-37
XPR1	1.329	5.45E-32
THSD4-AS1	1.329	1.06E-03
AC068189.1	1.329	4.48E-09
GOLGA8A	1.329	2.13E-11
TTYH3	1.328	1.89E-33
ELF3-AS1	1.328	3.86E-22
LINC00691	1.328	7.11E-06

SCRT1	1.328	1.66E-06
ZNF280C	1.328	4.41E-33
B3GALNT2	1.328	2.05E-48
MTFR1	1.328	1.63E-34
CDCP1	1.327	2.50E-25
CSMD2	1.326	4.55E-11
HAPLN1	1.326	1.41E-05
MASTL	1.326	8.70E-44
STK4-AS1	1.326	1.26E-18
GTF2IRD1	1.326	3.89E-41
FAM86HP	1.326	9.11E-22
SUV39H1	1.326	7.36E-50
TMPRSS13	1.325	2.70E-15
XKR9	1.325	3.89E-10
RFC2	1.325	1.22E-58
FAM136A	1.325	1.14E-60
HS6ST1	1.325	3.93E-35
LBP	1.324	2.72E-04
REEP6	1.323	4.01E-11
SH3RF2	1.323	2.56E-13
AC098864.1	1.323	2.01E-06
METAP1	1.323	3.81E-49
AC022211.2	1.322	1.76E-25
NOX4	1.322	6.03E-13
FAM26D	1.322	2.50E-03
BRSK1	1.322	1.09E-15
STPG3-AS1	1.322	3.49E-08
AC002310.1	1.321	2.59E-24
ORC5	1.321	4.16E-47
UMPS	1.321	2.63E-52
SLC35F2	1.320	1.32E-17
PLEKHH1	1.320	3.22E-14
RNF139-AS1	1.319	9.18E-24
HAUS8	1.319	9.54E-45
SNORD53B	1.319	6.60E-07
ARHGEF35	1.319	1.14E-09
FAM83G	1.319	8.91E-21
NTSR1	1.318	3.34E-04
HYAL4	1.318	6.95E-04
TRMU	1.318	9.73E-47
CSRP2	1.317	5.25E-17
RNF217	1.316	1.77E-18
AC233968.1	1.315	3.80E-06
RBPJL	1.315	2.40E-04
XKR7	1.315	2.31E-04
LYG1	1.315	4.49E-15
CERCAM	1.313	1.13E-22
KNOP1	1.313	4.42E-66
SNHG3	1.312	6.70E-23
GRIK5	1.311	8.36E-07
PLEKHG5	1.311	3.20E-22
LINC00954	1.311	5.19E-09
SCAMP5	1.310	6.69E-19
AC023908.3	1.310	1.14E-14
CYP2E1	1.310	4.08E-08
CARD11	1.310	1.02E-08

NRXN2	1.310	8.75E-07
FAR2P2	1.309	1.99E-05
TBCCD1	1.309	6.26E-38
AL358075.2	1.309	1.44E-08
REXO5	1.309	8.27E-28
MIR4525	1.308	5.56E-03
ATAD3A	1.308	4.14E-41
GBAP1	1.308	1.72E-24
CBSL	1.308	2.19E-04
ALG10	1.307	3.39E-41
SPRN	1.307	1.03E-19
SNORD1B	1.306	8.21E-08
AC016065.1	1.306	3.91E-34
POLR3G	1.305	3.01E-21
SNRPD1	1.305	9.72E-48
RTKN	1.305	1.08E-38
LINC01726	1.304	5.56E-03
TMEM269	1.304	1.44E-09
IDH2	1.304	1.09E-35
AIPL1	1.304	3.45E-03
HTR1D	1.303	1.33E-05
TFB2M	1.303	9.11E-54
NOL4	1.302	3.29E-03
POLD2	1.302	4.71E-48
CDH17	1.301	5.93E-07
HMGB2	1.301	1.44E-33
GPR83	1.301	3.30E-07
LINC01970	1.301	4.25E-10
SEZ6L	1.300	2.36E-03
PRKX-AS1	1.300	1.57E-04
MROH6	1.300	7.81E-10
SLC52A3	1.299	7.33E-14
CORO6	1.299	3.21E-10
CLK2P1	1.298	1.42E-05
AC091078.1	1.298	1.04E-04
ZNF74	1.298	3.46E-28
KCNH2	1.298	9.73E-06
FAM220A	1.298	5.54E-55
AC009336.2	1.298	5.14E-05
BFSP2-AS1	1.297	1.64E-04
TEX22	1.296	3.63E-13
E2F3	1.295	5.07E-28
CCDC73	1.295	9.08E-12
P2RY1	1.295	5.32E-10
CAPN12	1.294	3.19E-12
DOCK3	1.293	2.10E-08
TBC1D29	1.293	4.37E-06
LINC00240	1.293	1.83E-12
CCER2	1.292	2.54E-06
COL5A1	1.292	4.13E-10
NSUN2	1.292	1.60E-45
IGDCC3	1.292	1.01E-05
SLC25A39	1.292	4.32E-55
OSBP2	1.291	8.31E-15
MSH2	1.291	1.92E-41
TSPAN33	1.291	1.83E-14

L2HGDH	1.290	4.97E-39
FAM213A	1.289	2.41E-32
STAG3L5P	1.289	7.14E-16
TMEM221	1.289	1.69E-08
MTERF1	1.289	2.29E-35
BNIP3	1.288	4.77E-19
EMX2OS	1.288	2.60E-03
FAM3C	1.288	1.35E-25
PFKFB4	1.287	8.08E-19
RNF207	1.287	5.21E-14
ENO2	1.287	7.83E-17
SCARNA22	1.286	2.61E-05
LCLAT1	1.286	8.93E-48
EGF	1.286	1.00E-07
MIR593	1.286	1.08E-05
FAM189B	1.286	3.40E-53
TMEM106C	1.286	2.56E-25
MIR5195	1.285	6.92E-04
WDR4	1.285	1.44E-37
ZNF385A	1.284	4.36E-32
SLC25A21	1.284	6.02E-11
PLP2	1.283	2.70E-29
HEPACAM	1.283	8.67E-03
SYNPR-AS1	1.283	7.86E-08
AC007386.2	1.282	7.51E-08
BAG4	1.281	1.68E-16
PPIL1	1.281	6.02E-36
UBL4B	1.280	3.16E-05
ABCF3	1.280	2.23E-39
AP002754.1	1.280	2.08E-04
LAGE3	1.280	2.85E-31
TMEM189	1.280	7.59E-40
TWF1	1.280	5.80E-46
ZNF229	1.279	1.44E-06
PGK1	1.279	6.90E-30
NUPR2	1.279	1.57E-04
MEF2B	1.278	1.15E-13
ZNF503-AS2	1.278	3.05E-23
SNORA9B	1.278	1.09E-10
TMEM99	1.278	8.61E-31
DIAPH2-AS1	1.278	1.59E-07
ELOVL6	1.277	1.60E-17
MIR3153	1.277	1.71E-06
SNORD48	1.277	7.17E-05
P3H3	1.276	4.74E-16
TMEM41A	1.276	2.22E-36
ELFN1	1.276	7.99E-08
PGLYRP2	1.276	1.92E-05
MPP6	1.275	1.17E-26
PSMD11	1.275	3.91E-44
KLF14	1.275	5.16E-05
ZP1	1.274	2.17E-07
RIPK4	1.274	2.12E-19
SNORD51	1.274	6.10E-07
LCN12	1.274	4.45E-09
LUCAT1	1.273	1.92E-06

WDR75	1.273	3.36E-69
CLTCL1	1.272	1.81E-15
ZBTB7C	1.272	4.20E-08
PCAT18	1.272	2.11E-03
SLC38A1	1.272	5.85E-32
BSN-AS2	1.271	1.37E-05
ODC1	1.270	8.23E-10
WNT11	1.269	7.35E-05
AL355340.1	1.269	9.56E-05
KIF24	1.268	2.95E-19
SNORD73B	1.267	3.69E-07
CSTF3-AS1	1.267	1.18E-09
HAND2-AS1	1.266	5.87E-03
ELAVL4	1.266	8.45E-07
SMC6	1.264	1.40E-38
SMC6	1.264	1.40E-38
ALDH18A1	1.263	5.20E-75
LINC02405	1.263	9.88E-03
LINC02099	1.262	1.03E-08
SLC22A13	1.262	4.35E-07
LINC00115	1.262	2.02E-20
NUP37	1.261	5.94E-52
AC100771.2	1.261	2.11E-07
HS3ST5	1.261	6.15E-04
AF274858.3	1.261	8.48E-15
AC100858.3	1.260	8.58E-04
TET3	1.258	1.11E-30
ENO1	1.258	3.21E-37
POLA2	1.258	4.84E-48
HRAS	1.258	1.46E-32
PCSK1N	1.258	3.21E-05
LSM4	1.257	2.89E-40
BFSP2	1.257	6.98E-06
MIR570	1.257	1.07E-12
MED10	1.257	2.73E-41
BRWD1-AS2	1.257	3.29E-16
ARG2	1.256	5.17E-14
MIR2116	1.256	9.25E-05
LGALS17A	1.255	1.87E-04
CPSF4	1.253	9.02E-45
GSTM4	1.253	1.37E-10
POMK	1.253	1.11E-14
MAMSTR	1.252	1.21E-12
AC027796.4	1.252	7.70E-11
HIST3H2BB	1.251	6.24E-08
CCSER1	1.251	1.96E-09
FCRL5	1.251	3.02E-06
YEATS4	1.250	7.42E-27
LINC00649	1.250	6.91E-22
UCHL3	1.250	8.06E-32
ANKK1	1.250	2.34E-09
RCN2	1.249	4.31E-35
CHMP1B2P	1.249	1.62E-04
TRPV6	1.249	2.98E-06
AP1S1	1.248	1.75E-29
RNF43	1.248	9.99E-26

MT3	1.247	3.75E-05
ARHGAP33	1.247	1.49E-12
MIR6826	1.247	4.85E-03
AP2M1	1.246	1.68E-34
EIF4G1	1.246	1.54E-36
MRM1	1.246	5.79E-32
HSF4	1.246	1.34E-12
SLC39A6	1.246	2.38E-35
SNHG21	1.246	2.24E-25
C1orf35	1.246	4.13E-53
TUBB	1.245	1.17E-54
AL451074.1	1.245	1.89E-06
CBX1	1.245	1.08E-41
POLR2J3	1.245	5.00E-14
CLYBL-AS2	1.245	1.30E-03
TIGD5	1.244	2.10E-36
LGALS8-AS1	1.244	1.20E-11
MRPL13	1.243	4.51E-34
AL121983.2	1.243	2.63E-09
LPAR2	1.242	6.80E-45
TACSTD2	1.242	7.93E-11
AP000787.1	1.241	1.36E-11
AP000787.1	1.241	1.36E-11
TRO	1.241	4.03E-12
LILRP2	1.240	2.23E-06
JARID2	1.240	1.21E-37
CTPS1	1.240	2.23E-42
C12orf75	1.239	1.76E-11
EPHX4	1.239	3.19E-09
TBL1X	1.239	5.06E-21
CCDC87	1.239	5.09E-12
CORT	1.238	2.28E-14
PSMC4	1.238	7.53E-31
ACP4	1.236	2.06E-08
BARD1	1.236	1.28E-43
SPATA19	1.236	1.31E-03
SNAP25-AS1	1.236	1.18E-04
ASPHD2	1.235	1.39E-23
SYP-AS1	1.235	3.08E-03
NOC2LP2	1.235	7.24E-10
COL18A1-AS2	1.235	5.23E-04
SLC5A5	1.235	2.11E-04
SLX1B-SULT1A4	1.234	1.29E-03
HIST2H2BE	1.234	2.86E-11
MAGOHB	1.234	8.08E-37
EPGN	1.233	4.67E-04
TSGA13	1.233	6.88E-03
HEATR1	1.233	4.54E-51
DHX34	1.233	9.02E-44
MIR659	1.232	2.48E-08
PDCD6	1.232	6.12E-34
SNORA80A	1.232	5.40E-03
ENTPD3	1.232	2.20E-10
LINC01759	1.231	1.65E-18
PPME1	1.231	9.39E-42

SNORA5C	1.230	2.79E-18
MZT2B	1.230	1.62E-29
OSR2	1.230	1.55E-11
SYTL1	1.229	1.79E-21
SNORD37	1.229	2.06E-03
RELL2	1.228	3.51E-20
PDF	1.228	1.26E-31
LVRN	1.228	1.92E-05
KLHL17	1.227	3.59E-19
MTERF3	1.227	4.44E-51
CCNI2	1.226	8.90E-07
SATB2	1.226	1.08E-12
CACNA2D1	1.226	4.25E-09
ATG4D	1.226	1.97E-31
GS1-279B7.1	1.225	1.74E-04
GPR1	1.224	1.28E-06
HIST2H4B	1.224	4.36E-03
STRBP	1.224	1.25E-22
LINC02170	1.223	7.56E-07
NDUFAF8	1.223	1.86E-31
HIST1H2BK	1.223	4.99E-14
CACYBP	1.223	4.81E-37
POU2AF1	1.223	1.19E-07
KMT5C	1.222	4.60E-30
STOML2	1.222	1.10E-22
PSMD14	1.221	4.20E-46
HES5	1.221	2.80E-05
LINC02108	1.221	9.73E-03
NUP205	1.220	1.52E-48
PPIAL4G	1.220	9.86E-04
F8A3	1.219	1.05E-04
SVOPL	1.219	6.54E-07
S100A11	1.219	2.76E-25
METTL1	1.219	7.56E-39
RN7SL832P	1.219	4.09E-11
FAM24B	1.218	8.36E-16
PGAM1	1.218	8.98E-32
THOP1	1.218	9.41E-48
LINC01126	1.218	1.64E-11
KDELR3	1.217	2.57E-16
YWHAZ	1.217	1.81E-50
CCDC136	1.217	6.19E-09
MIR6784	1.217	4.22E-03
AC100860.1	1.216	9.94E-06
AL357568.1	1.216	9.65E-04
SFXN4	1.216	4.87E-39
AC026412.1	1.216	1.43E-15
REG4	1.215	1.46E-03
KYNU	1.215	6.85E-07
CEP83-AS1	1.214	6.99E-14
PIPOX	1.214	1.92E-07
LINC01569	1.214	4.37E-24
RAG1	1.213	1.36E-12
TXNDC17	1.213	2.16E-21
RALGPS2	1.213	1.71E-25
HMBS	1.212	3.89E-35

AC112719.2	1.212	7.95E-04
IPO4	1.212	3.42E-33
RASSF10	1.212	2.15E-07
TGM1	1.212	6.25E-05
ZNF322	1.212	5.78E-11
CHPF	1.212	9.82E-19
NT5C1B	1.211	2.22E-15
DACT2	1.210	8.88E-05
DLG1	1.210	9.30E-33
SENP5	1.210	5.39E-44
LINC00888	1.210	2.96E-10
NPAS1	1.210	2.52E-14
MIR4497	1.209	7.77E-03
AACSP1	1.209	1.52E-03
ZNF793-AS1	1.209	1.70E-08
CDRT1	1.209	8.71E-08
MIR3941	1.209	4.42E-03
TNFRSF13C	1.209	8.52E-12
CDK6	1.208	1.05E-14
SLC26A6	1.208	1.61E-30
TUBA4A	1.208	1.15E-14
RDH10	1.208	2.69E-10
ZNF385C	1.207	1.57E-09
U2SURP	1.207	2.76E-39
HIST4H4	1.206	3.49E-18
NDUFB5	1.206	6.41E-23
ABCB9	1.206	1.36E-35
PRDX1	1.205	8.81E-18
TFG	1.205	4.48E-48
ATP5G1	1.205	8.81E-30
TARBP1	1.205	1.70E-33
BVES-AS1	1.205	8.57E-05
AL356134.1	1.205	8.28E-03
R3HDM1	1.205	3.10E-62
MTIF2	1.204	9.10E-61
MFSD3	1.204	1.23E-26
SNRPF	1.204	1.24E-39
LINC01891	1.204	1.94E-04
AP000688.2	1.204	6.76E-03
AP000708.1	1.203	2.70E-07
C11orf80	1.203	1.12E-35
ZDHHC13	1.202	9.87E-33
SMG1P6	1.202	3.44E-11
SCRIB	1.202	8.71E-29
MXD3	1.202	1.65E-21
UNC119	1.202	1.11E-41
PNMA6A	1.202	1.55E-07
DIP2B	1.201	8.80E-29
NTN5	1.201	1.03E-08
MIR4537	1.200	1.59E-03
AIFM3	1.200	6.58E-11
WT1-AS	1.200	9.30E-05
LINC01122	1.200	3.29E-05
DTX2	1.200	5.01E-24
PPIAL4A	1.200	3.18E-05
MIR4482	1.199	1.09E-05

TFDP1	1.199	4.51E-31
HDGF	1.199	6.38E-55
HK2	1.199	1.95E-14
GDAP1	1.199	3.90E-18
SYNJ2-IT1	1.199	4.77E-03
HAPLN3	1.199	1.09E-15
NIT2	1.198	1.12E-33
IL1RAP	1.198	2.35E-12
PTPRF	1.198	4.02E-27
THNSL1	1.197	2.58E-29
SLC3A2	1.196	1.18E-23
WDYHV1	1.196	1.20E-40
ALKBH2	1.195	4.00E-34
HDAC2	1.194	4.48E-53
ATAD3B	1.194	5.50E-19
SNORD94	1.194	1.64E-14
FAT1	1.193	5.80E-14
CEP76	1.193	1.95E-33
KCTD15	1.193	1.38E-19
MAP3K13	1.192	7.41E-24
PANO1	1.192	3.41E-21
RPP25	1.192	7.08E-19
KDM5B	1.192	4.82E-43
MPP2	1.192	1.25E-10
MRPL21	1.192	1.06E-20
RET	1.192	5.58E-06
RPUSD1	1.191	4.69E-40
ZNF215	1.191	5.47E-10
GOLGA6B	1.191	8.73E-03
NELFCD	1.190	5.55E-55
RRP7BP	1.190	4.60E-27
PDRG1	1.189	9.90E-34
GLI4	1.188	1.23E-28
ZNF732	1.188	6.17E-04
RCN3	1.188	8.38E-11
PPP1R35	1.188	1.52E-29
CACNA1A	1.187	6.16E-07
CACNA1A	1.187	6.16E-07
SLC52A2	1.186	1.66E-33
GOLGA6A	1.186	5.43E-03
AC012435.1	1.186	3.35E-14
HIST1H4I	1.186	1.03E-13
LINC00969	1.185	1.21E-13
LINC00969	1.185	1.21E-13
JHDM1D-AS1	1.185	3.12E-15
HDAC1	1.184	4.36E-52
SDR42E1	1.183	1.45E-14
FBF1	1.183	5.25E-22
SOWAHA	1.183	6.93E-06
AC138409.1	1.183	1.77E-06
NPTXR	1.183	1.76E-08
ILF2	1.182	3.12E-48
AL591368.1	1.182	2.56E-06
GNRHR	1.182	1.47E-06
EIF3B	1.181	3.93E-51
TINCR	1.181	8.30E-08

ALDH1L2	1.180	9.14E-12
AKR7L	1.180	9.80E-10
PABPC1	1.180	7.31E-39
PES1	1.180	3.23E-39
CITED4	1.180	1.43E-09
PTN	1.180	7.76E-06
LDLRAD3	1.180	1.81E-17
APOO	1.180	8.03E-28
PRPS2	1.179	9.29E-34
ANO7	1.179	1.86E-15
HOTAIRM1	1.179	9.80E-13
PFDN2	1.178	7.31E-30
SLC20A2	1.178	9.32E-17
AC068775.1	1.178	2.44E-08
CENPQ	1.177	3.31E-26
RUSC1	1.177	2.39E-45
AC084859.1	1.177	5.10E-09
GSS	1.177	1.87E-44
TAF1A-AS1	1.176	5.85E-21
MANSC4	1.175	1.23E-04
LYSMD1	1.175	2.18E-38
UQCRH	1.174	3.32E-34
ANO1	1.174	2.09E-05
GCK	1.173	8.62E-06
C14orf37	1.173	1.42E-14
PRR22	1.173	1.90E-11
LINC01978	1.172	2.84E-05
GLYATL1P3	1.172	2.43E-03
MIR580	1.172	7.16E-03
MORC2	1.172	7.01E-52
PAK1IP1	1.171	4.11E-41
JPT2	1.171	8.40E-50
DEPDC4	1.171	6.26E-29
C2orf27A	1.171	5.61E-21
GARS	1.170	7.20E-40
LINC01185	1.170	8.41E-05
TNK2	1.170	2.95E-18
MAD2L2	1.169	2.58E-27
IRAK1	1.169	9.51E-40
ISYNA1	1.169	1.42E-13
HRK	1.169	6.22E-05
RNU6-2	1.168	4.56E-04
ANP32C	1.168	1.29E-05
PDIA6	1.168	3.44E-39
AC024361.2	1.168	6.52E-08
CCHCR1	1.168	1.57E-30
AIMP2	1.168	3.05E-39
PRKAG3	1.167	1.75E-03
TIPIN	1.167	2.66E-37
UFSP1	1.166	1.96E-20
AL031665.2	1.166	1.03E-12
LPIN3	1.166	6.88E-20
CHST8	1.166	3.43E-04
KRI1	1.166	3.32E-34
DAB1	1.166	3.88E-04
ALDH1L1-AS2	1.166	1.46E-03

LIPT2	1.165	7.46E-19
UNC13C	1.165	7.28E-04
UTAT33	1.165	8.05E-11
BSND	1.164	1.43E-03
UBXN7	1.162	7.52E-28
MEX3D	1.162	1.23E-26
FARSB	1.161	1.54E-50
RXFP3	1.161	2.02E-03
ADAMTS17	1.161	3.51E-08
C17orf78	1.160	1.24E-06
WNT4	1.160	1.24E-06
SLX4IP	1.159	2.27E-31
CST2	1.158	1.16E-04
PARP1	1.158	1.11E-43
DNAJC2	1.158	1.15E-37
HIST1H2BC	1.158	5.68E-09
AMER1	1.158	4.94E-24
CCL7	1.158	1.92E-05
CELP	1.157	9.36E-04
PSD2	1.157	3.32E-05
C18orf54	1.157	6.40E-26
MRPS26	1.157	4.41E-33
ATP6V1E2	1.157	2.04E-19
ANKRD19P	1.157	8.36E-08
PNO1	1.157	1.28E-32
CHST7	1.156	8.85E-10
ESPNL	1.156	1.43E-05
PALB2	1.155	3.02E-54
MIR567	1.155	9.83E-04
DLEU1	1.155	4.57E-28
NSUN5P1	1.155	2.48E-19
MIR499A	1.155	2.07E-05
STK26	1.154	6.25E-26
DROSHA	1.154	1.22E-32
NME4	1.154	1.58E-27
IGLL5	1.154	3.80E-05
YARS2	1.154	6.66E-42
TRIM2	1.154	6.86E-16
MN1	1.154	4.86E-09
FAM87A	1.154	7.56E-06
NAXE	1.153	5.89E-26
AL138781.1	1.153	7.72E-10
NSUN5P2	1.152	9.44E-16
CCT2	1.152	7.33E-27
NIFK	1.152	2.37E-43
PSMG1	1.152	2.24E-35
DPP10	1.152	5.92E-03
DLG5-AS1	1.152	1.86E-15
LRP4	1.152	7.87E-09
MZT1	1.151	3.21E-25
MIR3942	1.151	7.85E-06
PROB1	1.150	6.07E-14
SSTR2	1.150	3.52E-05
TMEM69	1.150	8.54E-60
CCDC129	1.150	8.47E-03
MLNR	1.150	1.08E-04

TDP1	1.149	1.01E-48
UPF3B	1.149	1.24E-34
LOXL4	1.149	8.91E-06
SNRNP25	1.148	2.47E-27
MT1H	1.148	3.44E-06
ZNF738	1.148	1.00E-09
EMC9	1.148	1.05E-30
DHCR7	1.148	3.63E-13
INTS8	1.147	1.64E-57
TNKS2-AS1	1.147	2.82E-10
CYP19A1	1.147	5.21E-12
CNDP1	1.147	2.12E-05
XPO1	1.146	1.28E-54
CLNS1A	1.145	1.51E-34
AQP6	1.145	7.44E-06
MRPL15	1.145	3.10E-29
TMPO	1.145	2.32E-35
ZNF296	1.144	2.38E-16
PCDHB8	1.143	7.73E-06
HIST1H2BN	1.143	2.72E-13
TMEM17	1.143	3.18E-17
ADORA2B	1.143	7.37E-12
CARM1	1.142	1.37E-39
DNAJC5G	1.142	1.00E-03
SHISA2	1.141	1.13E-04
MIR8087	1.141	7.78E-03
ZNF93	1.141	2.41E-10
FABP5P3	1.141	1.85E-05
SIGMAR1	1.140	1.74E-21
CKAP5	1.140	2.17E-37
TDG	1.140	1.99E-50
DPH2	1.139	1.96E-43
NSD2	1.139	1.33E-28
OLFM2	1.139	9.75E-10
IPPK	1.139	6.14E-23
AC091178.1	1.138	2.38E-11
MRTO4	1.138	2.64E-41
MSTO1	1.138	5.49E-39
TSPEAR-AS1	1.138	3.76E-04
AC010325.1	1.137	1.15E-06
DSG2-AS1	1.137	3.88E-10
BAIAP2L1	1.136	8.40E-33
TMEM201	1.136	1.13E-38
PCDHB11	1.136	2.19E-06
ACY3	1.136	2.87E-07
AC005696.1	1.135	1.41E-13
AC211433.1	1.135	1.85E-09
FBXL6	1.135	4.61E-25
KIAA1522	1.135	1.26E-28
TMEM189-UBE2V1	1.134	1.40E-05
CENPJ	1.133	5.91E-26
AL590683.1	1.133	1.43E-04
CHORDC1	1.133	4.94E-29
RNF7	1.132	1.70E-29
INO80B-WBP1	1.132	3.21E-07

AL021937.1	1.132	1.42E-09
C1QBP	1.131	9.83E-25
TRMT6	1.131	1.70E-39
PKIB	1.131	1.65E-06
POLD1	1.130	1.73E-30
MIR4538	1.130	1.29E-03
RBM19	1.129	7.42E-17
LIME1	1.129	1.19E-13
DNAJC19	1.128	5.67E-20
SMUG1	1.128	3.03E-50
LSM1	1.128	2.63E-15
AC006252.1	1.127	5.56E-15
AL391069.2	1.127	1.06E-18
STAG3L5P-PVRIG2P-PILRB	1.127	7.96E-14
AC027601.1	1.126	3.13E-13
LSM5	1.125	8.53E-37
ZFX-AS1	1.125	7.26E-04
PFDN4	1.125	1.10E-26
LRR1	1.125	3.03E-28
B4GALT6	1.125	6.56E-13
TRIT1	1.124	2.04E-31
TRAF7	1.123	1.72E-46
ZNF131	1.123	2.96E-39
ZNF131	1.123	2.96E-39
PCCB	1.123	1.37E-25
MIR601	1.122	4.42E-03
HS3ST1	1.122	1.29E-07
CAPN10-AS1	1.122	3.30E-18
SEC61A2	1.122	3.82E-30
TUSC3	1.122	2.92E-13
MMACHC	1.121	9.15E-27
DACH2	1.121	2.66E-03
EGR4	1.121	1.56E-04
LINC01771	1.120	2.71E-05
MTG1	1.120	1.44E-27
LINC00479	1.120	6.26E-05
ZNF469	1.119	3.74E-08
C11orf72	1.119	3.13E-07
MARS2	1.119	8.78E-25
TTC39C	1.119	2.90E-25
LRRC37A6P	1.119	4.60E-06
PM20D2	1.119	1.47E-24
SPIB	1.119	2.82E-04
GLI1	1.119	2.46E-05
SCN9A	1.119	1.46E-04
RNVU1-1	1.119	2.49E-04
BID	1.118	1.47E-22
LCN2	1.118	2.51E-04
CTAGE7P	1.118	7.86E-11
STPG3	1.118	1.85E-06
MIR4771-2	1.118	4.51E-03
TLDC1	1.118	1.33E-18
UNC80	1.117	1.91E-04
GALNT6	1.116	1.31E-10

ASPHD1	1.116	2.93E-08
CCDC51	1.115	1.29E-24
SLITRK4	1.115	7.86E-04
WDR43	1.115	5.51E-46
HNRNPA1P10	1.114	1.73E-17
C8G	1.114	5.30E-09
AC011893.1	1.114	4.07E-05
AC124016.1	1.114	3.76E-13
SNORD124	1.114	3.37E-05
TIMM50	1.114	1.35E-22
NUP107	1.113	3.63E-38
AC240565.1	1.113	6.74E-04
SOWAHC	1.113	9.68E-17
PRDX4	1.112	7.47E-23
SLC25A41	1.112	6.47E-06
DLEU2	1.112	5.33E-20
AC005821.1	1.112	1.61E-04
SLC38A8	1.112	6.55E-03
MNX1-AS2	1.111	1.25E-03
FLG-AS1	1.111	2.66E-05
HSPA1B	1.111	2.48E-16
DERL3	1.111	3.55E-07
DHFR	1.110	1.45E-26
SNORD111	1.110	3.40E-03
KLK1	1.110	3.10E-05
OR1J2	1.110	8.88E-03
MIR3944	1.110	8.75E-03
EXOSC3	1.109	1.42E-27
ACSM4	1.109	1.93E-04
GLS2	1.109	2.98E-08
MAP2K6	1.109	8.83E-12
GOT2	1.109	7.33E-35
FAM69A	1.109	2.42E-24
SDHAP1	1.108	4.22E-18
MTX2	1.108	1.31E-48
AC010834.2	1.108	3.36E-06
MSTO2P	1.108	2.52E-19
RAN	1.108	7.11E-38
PCYT1A	1.108	1.15E-21
GALNT7	1.108	4.96E-22
NLE1	1.108	2.45E-34
MIR6728	1.108	1.19E-04
FAM205A	1.107	2.04E-03
IQCB1	1.107	1.48E-28
LINC01270	1.107	9.33E-08
MRPL51	1.105	2.52E-33
TSPAN6	1.105	2.80E-22
P4HA1	1.105	4.89E-21
AL121917.1	1.105	1.86E-11
LINC02036	1.105	7.03E-06
TAF1A	1.105	9.98E-36
NOL12	1.105	2.92E-30
SNORD101	1.105	6.23E-10
POTEG	1.105	1.72E-03
RBFOX3	1.104	2.21E-04
TM6SF2	1.104	2.79E-09

GEMIN2	1.104	1.86E-26
PLPP5	1.103	1.13E-13
PAX6	1.103	7.57E-07
GNRH2	1.103	3.47E-06
ZNF786	1.103	3.15E-31
AC062029.1	1.102	6.74E-17
PRELID2	1.102	7.56E-20
CTAGE15	1.102	3.43E-03
TOMM22	1.101	7.16E-28
GPX7	1.101	1.96E-11
SNRPD2	1.101	2.40E-26
AL928654.2	1.101	3.17E-13
C10orf35	1.100	8.18E-24
PNPLA3	1.100	4.97E-07
FLVCR1	1.100	9.98E-25
SAAL1	1.100	6.04E-36
ZNF300	1.099	7.07E-09
RGPD2	1.099	1.91E-06
UQCRHL	1.099	1.13E-24
TBC1D32	1.099	2.28E-20
RASSF9	1.099	1.47E-06
POT1-AS1	1.099	5.28E-11
SNORA51	1.099	5.97E-03
CBX3	1.099	2.89E-44
SNAPC1	1.098	4.14E-20
GART	1.098	1.35E-42
USH2A	1.098	1.60E-06
SCARNA21	1.097	2.92E-05
LRRN1	1.096	3.83E-05
NOL10	1.096	8.67E-57
LINC00960	1.096	1.10E-05
ASIP	1.096	1.48E-07
HDHD5-AS1	1.096	1.73E-09
DDIT3	1.096	4.07E-16
XCL1	1.095	2.62E-11
SGPL1	1.095	6.95E-46
SLC25A13	1.094	9.13E-34
ZNF146	1.094	1.60E-31
PDSS1	1.094	5.73E-30
NPC1L1	1.094	1.27E-06
CYP2D6	1.094	7.02E-09
FDXR	1.093	1.92E-19
PNPLA1	1.093	9.67E-06
TCEAL5	1.093	8.33E-03
KIF4B	1.093	3.89E-07
PRPF19	1.092	2.50E-65
RPP21	1.092	7.85E-32
FBXO17	1.092	5.42E-08
QSER1	1.092	3.33E-33
UBA2	1.091	3.79E-30
SGK494	1.091	3.00E-13
SNORA23	1.091	6.32E-06
COL24A1	1.090	1.85E-11
LINC01018	1.090	1.44E-04
DMKN	1.089	1.04E-05
LNCSRLR	1.089	1.33E-06

MLF2	1.088	9.39E-39
UBE2O	1.088	1.20E-39
PRRG4	1.088	2.35E-13
CXCL9	1.088	3.47E-05
MRPL4	1.088	5.89E-29
HCG25	1.088	2.34E-20
C12orf66	1.087	7.30E-36
PNPT1	1.087	2.58E-35
CPXM1	1.086	2.32E-07
LINC01355	1.086	8.44E-11
LYPLA1	1.086	8.90E-17
BICD2	1.086	1.13E-15
FZD6	1.086	1.29E-22
DUS1L	1.086	1.90E-33
MPHOSPH9	1.086	4.30E-38
PHF5A	1.086	5.72E-26
ZNF530	1.085	1.16E-24
EIF3IP1	1.085	4.58E-03
GLTP	1.085	1.80E-17
KLHL31	1.085	8.31E-10
PGAM4	1.085	7.57E-11
UBE2Q2P2	1.085	3.40E-13
LYG2	1.085	2.44E-06
HGH1	1.084	1.07E-33
NDUFB4	1.084	3.67E-30
DUSP14	1.084	4.89E-17
AC016257.1	1.084	2.11E-06
DNMT3A	1.084	1.48E-30
AC079296.1	1.083	8.03E-04
EHHADH	1.083	4.42E-22
PRSS46	1.083	4.47E-03
C7orf73	1.083	1.22E-29
NOP58	1.083	2.72E-38
AC010997.4	1.083	2.16E-11
TMEM267	1.083	7.09E-25
CPSF3	1.083	1.59E-52
TRPM2	1.082	8.50E-15
SYNJ2	1.082	2.47E-27
NT5DC3	1.082	2.91E-19
KIAA0319	1.081	8.13E-04
GSDMB	1.081	2.86E-10
DOLPP1	1.081	2.34E-36
ZDHHC8P1	1.081	8.15E-06
ARL4C	1.080	2.61E-19
CSNK2A3	1.080	2.99E-16
SNORA15B-1	1.080	3.56E-03
TLCD1	1.080	2.78E-16
SCLY	1.079	2.57E-34
MPV17L	1.079	1.26E-05
NTF3	1.079	3.47E-05
KRT16P3	1.079	6.34E-04
TRPS1	1.079	7.25E-15
DDX49	1.079	1.91E-37
JAKMIP2	1.079	6.45E-04
FGD5P1	1.078	4.12E-03
LINC01484	1.078	2.17E-04

NUP210	1.078	9.44E-11
EXOSC2	1.078	1.30E-40
CTAGE4	1.078	3.97E-05
EIF6	1.076	8.89E-33
COMTD1	1.076	2.10E-14
LINC00630	1.075	1.37E-24
AP000977.1	1.075	7.71E-05
TRIM28	1.074	1.40E-33
AC023794.2	1.073	5.70E-03
ZNF436-AS1	1.073	2.62E-17
TMEM254-AS1	1.073	7.71E-12
AC107214.1	1.072	3.28E-15
GNPNAT1	1.072	3.54E-26
MIR6719	1.071	1.92E-03
CDH1	1.071	6.23E-21
KIAA1549	1.071	5.58E-08
SMARCB1	1.071	7.27E-43
DENR	1.071	1.82E-71
CCDC77	1.071	6.52E-28
ACTN1-AS1	1.071	4.52E-07
CERS6-AS1	1.071	2.28E-05
VLDLR-AS1	1.071	5.01E-06
RPL35A	1.070	2.62E-21
ACTR3B	1.070	2.70E-25
CPEB2-AS1	1.070	1.30E-05
HOXB3	1.070	3.32E-10
PPAN	1.070	6.86E-19
PIK3CD-AS2	1.069	2.76E-10
VAV3	1.069	1.08E-06
SNORD11B	1.069	3.66E-03
CEMIP	1.069	3.80E-07
PPP1R13L	1.069	5.13E-11
TALDO1	1.069	3.42E-14
PRPF4	1.068	3.28E-28
ZNF726	1.068	8.98E-06
AP001160.1	1.068	2.41E-14
TDRKH-AS1	1.068	1.05E-07
TMEM54	1.068	1.24E-24
CASK	1.067	4.56E-27
PRPF40B	1.067	2.15E-31
OTULIN	1.066	3.08E-31
HS3ST6	1.066	3.52E-03
ABHD3	1.066	3.04E-15
SENP2	1.066	8.60E-24
AC100861.1	1.065	2.54E-17
SNORD70	1.065	5.03E-03
UFD1	1.065	2.33E-30
SLC28A1	1.064	1.04E-04
TRAF4	1.064	9.63E-27
RIOK1	1.063	8.13E-37
ATP13A3	1.063	1.53E-29
ULBP1	1.063	2.64E-06
ZNF107	1.063	6.94E-25
CEBPG	1.063	4.62E-22
CSTB	1.063	3.25E-11
OXLD1	1.063	1.26E-26

MRPL30	1.062	3.95E-46
ASTN2	1.062	1.82E-05
GDPD4	1.062	2.46E-05
PLAC8L1	1.061	4.22E-09
JMJD7-PLA2G4B	1.061	4.48E-09
PORCN	1.061	1.66E-15
CES1	1.061	5.02E-03
STIP1	1.061	3.58E-45
C3orf58	1.061	3.36E-10
MIR200A	1.061	8.72E-04
MAZ	1.060	1.34E-38
MICALL2	1.060	3.51E-11
LINC01301	1.060	8.25E-09
LIG3	1.059	8.14E-30
C9orf40	1.059	1.34E-20
ST8SIA5	1.059	1.28E-04
AC092718.2	1.059	1.06E-13
BAK1	1.058	4.49E-22
LRRC1	1.058	1.01E-23
ATP6V1B1	1.058	1.91E-05
PRMT5-AS1	1.057	7.39E-12
RHEBL1	1.057	1.60E-17
RRP1	1.057	1.60E-31
MIR942	1.056	8.24E-03
TSPAN10	1.056	3.89E-09
WTH3DI	1.056	3.86E-05
LINC02242	1.056	5.41E-04
CLDND1	1.056	3.02E-22
AC093151.3	1.056	1.21E-03
LSM7	1.055	1.31E-31
TENM3	1.055	7.04E-06
CBWD6	1.055	3.61E-15
SAMD1	1.054	6.66E-36
TCF20	1.054	7.84E-29
ZNF890P	1.054	7.17E-04
KIF21A	1.054	9.37E-14
AC239809.3	1.053	1.54E-06
SLC25A25-AS1	1.053	4.99E-10
LINC00174	1.053	6.81E-12
LSM2	1.053	9.17E-22
MYNN	1.053	1.19E-19
SLC50A1	1.053	3.60E-23
NAA20	1.052	3.39E-21
NKRF	1.052	6.06E-41
LOXL1	1.051	1.37E-11
CENPX	1.051	2.97E-17
USP28	1.051	7.33E-31
Z95115.1	1.051	8.52E-16
SEMA3F	1.050	7.13E-19
UNC13A	1.050	1.17E-04
NOL11	1.050	2.12E-46
AL049870.3	1.050	1.04E-03
SERPINH1	1.050	3.19E-17
POLE3	1.050	2.29E-29
RDH10-AS1	1.049	3.17E-06

MRPL37	1.049	5.36E-44
TMEM198	1.049	1.04E-11
WNT8B	1.048	3.40E-05
RAPSN	1.048	9.96E-05
EYA1	1.048	5.55E-04
RHCE	1.047	1.87E-08
ELMO3	1.047	4.40E-18
NTN1	1.047	9.58E-07
C1QTNF3-AMACR	1.047	2.54E-06
SNORD117	1.046	2.94E-06
CYCS	1.046	2.48E-23
IFI16	1.046	2.15E-22
USP5	1.046	1.29E-42
C12orf80	1.045	1.90E-03
KCNK15-AS1	1.045	8.41E-05
SNORA54	1.045	1.76E-03
AL592146.1	1.045	1.99E-04
DLEU1-AS1	1.045	4.51E-03
KIRREL3	1.045	3.94E-04
COL16A1	1.045	1.34E-07
MCMDC2	1.044	8.96E-13
LIPC-AS1	1.044	8.73E-03
HEY1	1.044	7.55E-07
C9orf43	1.043	5.19E-15
KCNE2	1.043	3.07E-08
WDR5	1.042	1.02E-35
HAVCR1	1.042	2.32E-03
TRMT2A	1.042	1.01E-28
CRIPT	1.042	1.32E-23
AL161452.1	1.041	4.37E-10
ZNF572	1.041	7.24E-16
CPA5	1.040	1.34E-04
IGSF5	1.040	2.96E-03
CCDC15	1.040	3.96E-26
RAB40B	1.040	7.13E-13
NSD3	1.039	6.50E-12
AC090921.1	1.039	3.79E-05
NOP16	1.039	3.07E-27
ACAP2	1.039	4.81E-19
SLC39A11	1.039	1.55E-24
SNORA11F	1.038	1.52E-09
LRIG3	1.038	2.97E-17
LINC01725	1.037	2.04E-06
LINC01725	1.037	2.04E-06
LINC01619	1.037	3.09E-07
PLCXD2	1.037	1.52E-04
ANAPC7	1.037	8.50E-51
LRRC7	1.037	5.04E-07
CNTNAP3	1.037	3.38E-06
WDCP	1.036	1.53E-41
VANGL1	1.036	4.60E-31
A1CF	1.036	5.44E-03
ANKEF1	1.035	1.57E-20
ZNF217	1.035	2.86E-32
TMED3	1.035	3.31E-29

NUMBL	1.035	2.66E-17
PNMA8A	1.035	3.15E-04
LINC01376	1.034	6.11E-16
VDAC3	1.034	6.87E-18
AC006001.2	1.034	1.04E-12
ST20-MTHFS	1.034	4.42E-06
MZB1	1.034	9.95E-05
MIR4477B	1.034	6.92E-08
EFCAB6-AS1	1.034	6.69E-04
ZNF121	1.033	3.87E-24
SNHG19	1.033	6.10E-11
DBNDD1	1.032	1.52E-09
TRIM10	1.032	6.33E-03
SNORA33	1.032	2.21E-10
NAA40	1.032	1.58E-37
COX5B	1.031	1.19E-19
NABP2	1.030	1.04E-45
SNORD12B	1.030	1.99E-07
GTPBP8	1.030	4.50E-27
OXCT1	1.030	9.45E-16
TTPAL	1.030	1.50E-31
PLOD1	1.029	2.10E-16
HES1	1.029	7.83E-17
FAM173B	1.028	3.15E-25
MTA1	1.028	7.75E-26
FRMD6-AS2	1.027	5.58E-03
DNPH1	1.027	2.97E-21
XYLT2	1.027	2.75E-28
WDR86	1.027	5.67E-08
NREP	1.027	6.66E-09
PPM1G	1.027	3.88E-51
LINC00567	1.026	3.29E-04
LSM12	1.026	3.48E-41
SPATA25	1.025	2.84E-11
LGI2	1.025	1.00E-05
FGD1	1.025	9.82E-20
TSNAX-DISC1	1.024	3.70E-04
SFRP2	1.023	8.93E-06
TEX30	1.023	1.76E-18
PLD6	1.023	4.23E-17
NAT10	1.023	1.18E-30
MRPL11	1.023	1.72E-22
TSHZ2	1.022	1.49E-09
BCL7A	1.021	4.67E-27
DNAJC12	1.021	1.78E-05
DIEXF	1.021	7.89E-42
AL353653.1	1.021	9.63E-03
BOLA2B	1.021	4.73E-12
MRPL24	1.021	8.53E-26
PPIH	1.020	2.34E-27
CPNE1	1.020	2.91E-19
MAP10	1.020	4.58E-10
CCT7	1.019	7.06E-45
ATP5G3	1.019	3.54E-22
LPA	1.018	2.93E-03
GCKR	1.018	1.65E-05

TCP1	1.017	1.56E-36
ALDH4A1	1.017	4.66E-14
PAQR3	1.017	2.28E-19
INTS7	1.017	3.39E-36
PSME4	1.017	5.23E-49
RGPD1	1.017	1.45E-03
PGAP1	1.016	3.16E-12
TGIF2	1.016	3.84E-20
CPT1C	1.016	3.19E-07
PIDD1	1.016	3.77E-19
GTF2A1L	1.015	3.40E-03
LINC00624	1.015	5.57E-08
FAM131A	1.015	4.19E-15
SNORA71B	1.014	2.67E-11
DPP3	1.014	7.31E-40
FGF17	1.013	5.15E-04
ADSL	1.013	4.65E-25
MIR4644	1.013	7.08E-03
CEP250	1.013	1.05E-17
ADAM21	1.013	1.49E-05
TNFSF4	1.013	6.17E-09
AVEN	1.013	5.79E-29
PAIP1	1.013	3.30E-28
SCARNA10	1.013	2.84E-05
ZNF138	1.013	8.52E-28
PTCD1	1.012	5.90E-27
PTGES2	1.011	6.71E-33
SCT	1.010	1.64E-06
HDHD3	1.010	2.59E-25
HNRNPA1P30	1.010	2.77E-04
PHF6	1.010	4.80E-41
ZNF598	1.010	3.07E-29
PUSL1	1.009	9.00E-21
MRPS30	1.009	4.59E-29
ZHX1-C8orf76	1.008	3.55E-21
WDR77	1.008	3.85E-33
MC1R	1.008	2.03E-10
ARHGEF5	1.007	1.06E-15
TAS1R3	1.007	9.94E-07
MYLK-AS1	1.007	1.43E-11
WBP11P1	1.007	4.67E-05
AC022445.1	1.006	1.62E-04
AL139260.3	1.006	8.78E-08
GALNT3	1.006	9.24E-17
MIR378A	1.006	1.13E-03
FAM161A	1.005	5.73E-15
GID8	1.005	3.62E-47
TRMT1	1.005	8.07E-25
AL358216.1	1.004	9.72E-03
DHX35	1.004	3.56E-22
SNORD8	1.004	5.79E-03
NOC2L	1.004	7.14E-27
POLR1C	1.004	2.45E-29
STRAP	1.004	1.22E-29
C4orf46	1.004	7.89E-27
NUP85	1.003	1.35E-46

FLJ22447	1.003	1.25E-05
ACOT7	1.003	6.20E-19
LINC00244	1.003	1.81E-03
LRPPRC	1.003	5.52E-34
DDX10	1.003	1.51E-27
MYPOP	1.002	4.14E-36
ZNF793	1.002	2.75E-07
CHCHD2	1.001	8.83E-15
ARPC1A	1.000	3.02E-25
EIF4A3	1.000	2.06E-32
MRPS34	1.000	5.88E-34